



C & D

CHEMIST AND DRUGGIST

AUGUST 19 1967



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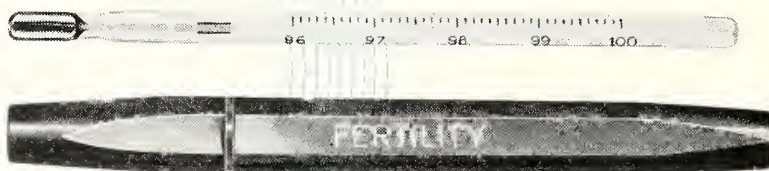
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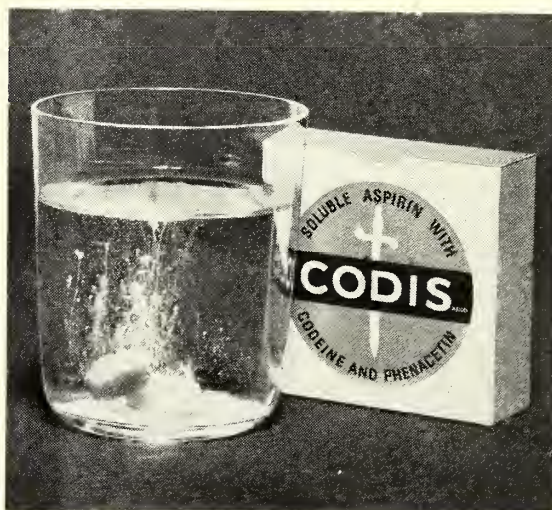
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Up to 40% profit on  
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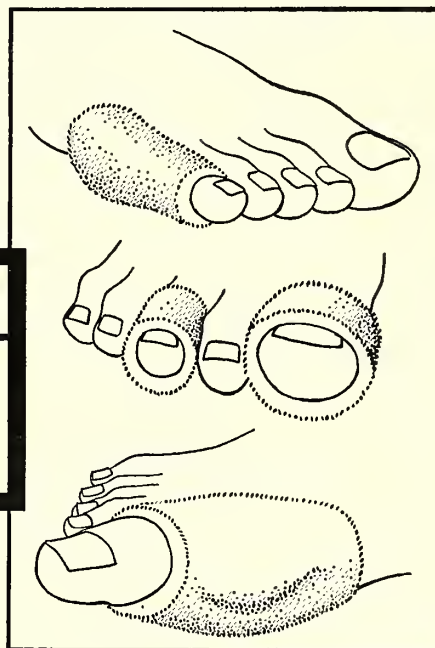
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2033	S3	1/9
2034	S4	2/3
2035	S5	2/3
2036	S6	2/9





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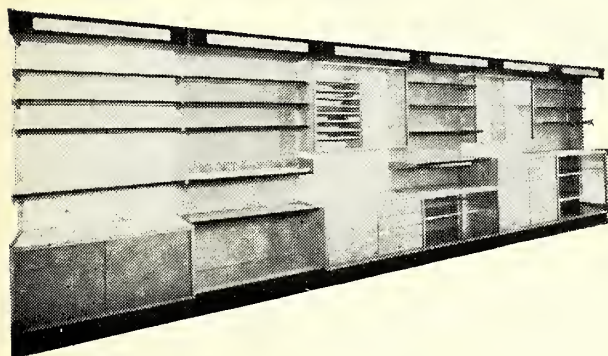
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REALLY SELL'**





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# C & D

## CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY  
and all sections of the drug, pharmaceutical,  
fine chemical, cosmetics, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and of the Pharmaceutical Society of Northern Ireland*

Volume 188

August 19, 1967

No. 4566

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Order today through your wholesalers.

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24 tubes of 500 size	45/-	90/-	<b>45/-</b>
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# C & D

## CHEMIST AND DRUGGIST

Volume 188

AUGUST 19, 1967

No. 4566

## Films to Cost More

### THE CAUSE: HIGHER SILVER PRICES

HIGHER recommended retail prices for their black and white films and photographic papers have been announced by Ilford, Ltd., Ilford, Essex. Effective from August 14, the increases have been made necessary by a steady rise in the price of silver following the United States Treasury decision on May 19 to stop selling silver to domestic consumers at the controlled price of \$1.29 per fine ounce.

Since that date the price of silver on the London market has increased by nearly 50 per cent. and the company are now spending more on silver than any other raw material. The new prices represent an increase of just under 10 per cent. on black and white roll and 35-mm. films, but the increase is slightly higher for more specialist products where the silver content is proportionately greater. Prices of colour films remain unchanged.

## Tetracyclines and Teeth

### PAEDIATRIC PREPARATIONS CRITICISED

THERE is a good case for discontinuing the sale of paediatric preparations of tetracyclines, other than oxytetracycline, and for not marketing any new ones before their effects on children's teeth have been assessed, says the August 4 issue of *Drug and Therapeutic Bulletin*. The *Bulletin's* review of the literature suggests that oxytetracycline is the tetracycline least likely to cause staining, at least when a single course of less than one week is given. It is suggested that all manufacturers' literature describing tetracycline preparations, especially those formulated for children, should include prominent and specific warnings about the risk to teeth. The *Bulletin* concludes that tetracyclines should not be used in pregnancy or in children if another antibiotic, for example ampicillin, is equally effective and safe.

## Therapeutic Substances

### MORE PRODUCTS CONTROLLED

MANUFACTURE of therapeutic allergens is controlled under the Therapeutic Substances (Manufacture of Vaccines, Toxins and Antigens) Amendment Regulations, 1967 (H.M. Stationery Office, price eightpence). Made under Part I of the Therapeutic Substances Act, 1956, the Regulations define therapeutic antigens as antigens prepared from material to which human subjects may be hypersensitive and intended for use

in the treatment of hypersensitive human subjects. They control staff of the establishment at which the allergens are prepared and identity of source material, and set out precautions to be observed in preparation and methods of toxicity and sterility testing. Special provisions relate to adsorbed allergens and oil adjuvant allergens. The Therapeutic Substances (Manufacture of Antibiotics) Amendment Regulations, 1967 (H.M. Stationery Office, price eightpence) add gentamicin and capreomycin, and their derivatives, if intended for injection, to the substances listed in Schedule I to the Therapeutic Substances Act, 1956 (as substances the purity or potency of which cannot be adequately tested by chemical means).

## Hair Sprays

### IS THERE A HEALTH HAZARD?

FULLER research into the possibility of danger to the lungs from the use of hair sprays is called for in the August issue of *Focus*, published by the Consumer Council. The high proportion (16 per cent.) of national expenditure on cosmetics in 1966 taken by hair sprays

is noted, and the comment is made that "with such an amazingly booming business there is no excuse to avoid fuller research." The publication points out that the British Standard for aerosol sprays covers only the container and not the contents. Manufacturers maintain that no complaints of lung damage have been received, "though most recognise that there could be a potential danger." Readers are reminded that, in 1958, thesaurosis, a pulmonary infection was believed caused by hair sprays. The Ministry of Health is quoted as saying that, provided instructions are correctly followed, the hazard from normal use in the home by healthy persons appears to be small. Occupational hazards from prolonged use have been reported, but no definite conclusions have been made. The remainder of the article deals with types of spray and their ingredients, reasons for variations in price, results obtained and dangers from the container ("exaggerated, untrue or the result of faulty use").

## Accidents in Shops

### FIGURES FOR 1966

STATISTICS for accidents notified to the authorities responsible for the enforcement of the Offices, Shops and Railway Premises Act, 1963, show that twenty-nine people were killed and 18,000 injured during 1966. The figures are given in an article in the July issue of *Accidents*, a Ministry of Labour quarterly publication (H.M. Stationery Office, price 2s.). About 40 per cent. of the accidents notified resulted from falls caused by floors, passages and staircases not being properly maintained or lit.



**V.I.P.'s AT WORKS:** Mr. J. A. Lumley (managing director of Riker Laboratories) explains a packaging operation to Miss Mervyn Pike, Member of Parliament for Melton Mowbray (centre) and Mrs. P. Holland, wife of Mr. Philip Holland, Member of Parliament for Carlton, Notts, during a visit by them to the Company's works at Loughborough, Leics.



## Family Planning Services

### MORE POWERS FOR LOCAL AUTHORITIES

THE Minister of Health (Mr. Kenneth Robinson) in a circular issued to all Local Health Authorities in England and Wales on July 31, drew attention to the National Health Service (Family Planning) Act, 1963. He re-emphasised that an adequate family-planning service, fully integrated with other community services, is an essential part of family welfare. Under the Act local health authorities have a general power, with the Minister's approval, to make arrangements for giving advice on contraception, for the medical examination of persons seeking such advice, and to supply contraceptive substances and appliances. The Act extends the existing powers of the local health authorities by enabling them to provide (or arrange for other bodies to provide) advice on contraception and supplies for any persons who need them on social grounds, and not (as hitherto) only in medical cases. The Act also empowers local health authorities to recover such charges for advice, prescriptions, substances or appliances as they consider reasonable having regard to the means of the

recipient. The Minister holds the view that advice, examination, prescription and supplies should be free in medical cases, but that a charge can properly be made at the discretion of the local authority for prescription and supply in non-medical cases where a person can afford it.

## Consumer Protection

### CELLULOSE TOYS BAN

THE Home Secretary has issued the Toys (Safety) Regulations, 1967 (H.M. Stationery Office, price eightpence) prohibiting the use of celluloid and certain paints in toys. The regulations, effective November 1, apply the prohibitions to toys manufactured before the regulations come into force. The regulations are made under the Consumer Protection Act, 1961.

## Sulphuric Acid

### PRODUCTION IN SECOND QUARTER

PRODUCTION of sulphuric acid say the members of the National Sulphuric Acid Association amounted to 991,700 tons (calculated as 100 per cent.  $H_2SO_4$ ) during the quarter ended June 30. Sales during the quarter totalled 849,643 tons.

## ACCIDENTS IN FACTORIES

### More fatalities in 1967

"It would have been most gratifying if I could have reported a drop in accidents" states Mr. R. K. Christy (H.M. Chief Inspector of Factories) in his annual report for 1966 (H.M. Stationery Office, price 12s. 6d.). "Unfortunately, I have to report another increase in the number of reported accidents." In 1966 there were 296,610 accidents showing a smaller increase than in 1965 and 1964 but the position "cannot give us any comfort." "More disturbing, however, is the fact that in 1966 the number of fatal accidents increased from 627 to 701," says Mr. Christy. "Until the last two or three years, the long-term trend in fatal accidents since about 1948 has been downward and I hope the 1966 figure does not indicate a permanent reversal of this trend." The safety activities of small firms, whose attention to safety is most haphazard, still leave much to be desired. The Chief Inspector again refers to the seriousness of the number of accidents to young people in industry which showed little abatement during the year.

An important contribution to the promotion of industrial safety during the year arose from co-operation between the Central Training Council and the industrial training boards and the inspectorate. Regular liaison ensured that safety and health aspects of training were not overlooked in the plans for improved industrial training at all levels.

The authorised cadre of the inspectorate was increased during the year from 517 to 533, and at the end of the year there were 482 Inspectors of all grades in post compared with 481 at the end of 1965.

Attention is drawn to the need for care in handling liquid oxygen, exemplified by a serious explosion on fac-

tory premises in 1966 when a road tanker carrying liquid oxygen blew up. The driver and his mate were killed and the violence of the explosion was such that it could well have killed many more had they been present. Convictions for breaches of the safety provisions of the Factories Act or Regulations numbered 1,338 compared with 1,296 in 1965. Other convictions included 269 in respect of health provisions, 309 in respect of forms and notices (119 of these were for failure to notify accidents and cases of industrial disease), 121 in respect of the employment of women, young persons or children and 96 in respect of welfare and first-aid provisions. The number of convictions obtained under Special Regulations was 777, an increase of 91 over 1965.

In the accompanying report on industrial health for 1966 (H.M. Stationery Office, price 6s. 6d.) the inspector states that "the standard of industrial health in this country is generally good. With the exception of the lung dust diseases, the grosser forms of industrial poisoning have been virtually eliminated." That is not to say, however, that no serious problems are left: there are, but in many cases the diseases now causing concern show themselves only many years after the first exposure to risk and perhaps after only minimal exposure to the causative agents.

One of the most important and far-reaching advances within the inspectorate during 1966 was the formation of the industrial hygiene division of the chemical inspectorate to reinforce the contribution of district staffs. The laboratories serving that division and the medical branch have been steadily developed and a substantial expansion is expected in the next few years.

## Pesticides

### DRAFT COMMON NAMES

COMMENTS on the following suggested names for pesticides are sought by the British Standards Institution. They should be addressed to Mr. D. G. Berry, B.S.I., 2 Park Street, London, W.1.

PROPOSED COMMON NAME	CHEMICAL NAME
Carbetamide	D-N-ethyl-2-(phenylcarbamoyloxy)-propionamide
Demephion	a mixture of demephion-O and demephion-S
Demephion-O	dimethyl 2-(methylthio)ethyl phosphorothionate OO-dimethyl O-[2-(methylthio)ethyl] phosphorothionate
Demephion-S	dimethyl S-[2-(methylthio)ethyl] phosphorothiolate OO-dimethyl S-[2-(methylthio)ethyl] phosphorothionate

## Price Maintenance

### REGISTRAR'S FIFTH LIST

THE Registrar of Restrictive Trading Agreements has issued a fifth list of clauses of goods which the Restrictive Practices Court has refused to exempt from the ban on resale price maintenance. The list includes the surgical sundries, eye shades, nipple shields, atomisers and clinical thermometers that were considered on June 16 (see C. & D., June 24, p. 577) and sugar confectionery upon which the court decided on July 25 (see C. & D., July 29, p. 92).

## IRISH BREVITIES

### THE REPUBLIC

AN Irish company — Cinex (Ireland), Ltd. — has been formed to market Paillard-Balex photographic equipment in the Republic. Mr. C. Farrell, 21 Charleville Road, Rathmines, Dublin, is a director.

## NEWS IN BRIEF

THE Patent (amendment No. 2) Rules, 1967 effective October 7 increase the fee payable on filing a complete specification from £10 to £14.

THE Minister of Health and the Secretary of State for Scotland have set up a committee to advise on hospital scientific and technical services in Great Britain.

THE entry under head II of the schedule to the Purchase Tax (No. 1) Order 1967 for "Notroxymil and its megluminal salt" was amended on August 14 to "Notroxymil and Salts thereof."

A LEAFLET summarising the provisions of the Road Safety Act affecting goods vehicles is now available from the Traders Road Transport Association, 1 Hay Hill, London, W.1 (price 1s.).

TABLETS and medicines are a danger to small children if they are not kept in a safe place, such as a lockable cupboard in the bathroom, says a Ministry of Housing and Local Government design bulletin "Safety in the Home" (H.M. Stationery Office, price 4s. 6d.). Recommended position of the cupboard is 4 ft. 6 in. from the floor.



THE ninetieth edition of "Where to Buy Everything Chemical"—an index to the principal sources of supply of chemicals, chemical plant and apparatus—is available from "Where to Buy," Ltd., John Adam House, 17 John Adam Street, Adelphi, London, W.C.2, price 7s. 6d. (postage and packing 1s. 6d.).

MEMBERSHIP of Chambers of Trade and of specific trade associations is of vital importance to all retailers following the decision of the Restrictive Practices Court in the case of confectionery, says the National Chamber of Trade in a letter to members. The two organisations carry out separate but equally important functions that the one cannot carry out for the other.

THE National Health Service (Travelling Allowances, etc.) (Amendment) Regulations 1967 (H.M. Stationery Office, price fivepence) provide for an increase in the maximum rate of overnight subsistence allowance payable to members of Executive Councils, Committees, etc., for the first twenty-one nights of absence, to 80s. a night, or to 88s. for each night spent in London within a 4-mile radius of the King Charles I statue at Charing Cross.

FIRST turf on a new site for the Woolley & Arnfield branch of Vestric, Ltd., at Preston, Lancs, was cut recently by Mr. W. A. Kinnear (managing director of Vestric, Ltd.) in the presence of Mr. W. Bolton, (branch manager and representatives and employees of the builders. A few days later the same spade was used for a similar ceremony in Glasgow where the company's W. & R. Hatrick branch is building new premises.

## SPORT

### GOLF

EDINBURGH CHEMISTS' GOLF CLUB, Broomieknowe golf club, Bonnyrigg, provided the venue for the club's outing on August 9. Results: 1, J. E. Dunn (10), 71 (best inward half). Section No. 1, W. V. W. Nimmo (15), 71. Section No. 2, J. B. Murray, (26), 78. Best scratch score, W. Renton, 75.

## LOCAL OFFICERS

### PHARMACEUTICAL SOCIETY BRANCHES

**Bolton.**—Chairman, G. Lowther; Treasurer, J. H. Bridge; Vice-chairman, Social Secretary and Secretary, D. A. Slatcr, 14 Catterall Crescent, Bradshaw, Bolton (telephone: Home, Bolton 52764, Business, 23537).

**Carmarthen.**—Chairman, B. Jones; Vice-chairman, W. R. Thomas; Secretary, G. Jones, c/o Pharmaceutical department, West Wales General Hospital, Glangwili, Carmarthen.

**Guernsey.**—Chairman, M. N. Angell; Vice-chairman, H. F. Perkins; Treasurer and Secretary, Mrs. W. A. Bater, Chaklala Le Villocq, Castel, Guernsey, Channel Islands.

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# TOPICAL REFLECTIONS

By Xrayser

## Council meeting

The month of August is traditionally one of holiday and relaxation but, to judge from the report on p. 142, the tradition does not apply to the Council of the Pharmaceutical Society, which dealt with several weighty matters at Bloomsbury Square while many members of the Society looked out to sea from the comfort of a deckchair. Perhaps the most important business was that concerned with the changes likely to arise from the growth of medical group practice and the interest currently aroused by a programme of health-centre development. From the nature of his calling the doctor is more mobile than the pharmacist, and so the prospect of a change of environment does not present the same obstacles to the practising physician. Much of his time is spent in domiciliary visiting, and that can be done as easily from a centre as from an individual surgery. It is not difficult to appreciate the attraction, from the doctor's point of view, of the group practice in and from premises probably specially constructed for the purpose, allowing his dwelling-house to be freed from a seemingly interminable procession of visitors during a good part of the day. Other advantages are secretarial help and daily association with colleagues. All things seem to point to a steady increase in that form of medical practice whether as a private arrangement between doctors or as part of an official scheme. In the circumstances, it is natural that pharmacists should be feeling uneasy in regard to the effect such practice will have on established businesses that cannot be uprooted and moved with the same ease with which a medical practice can be. The Council has evidently foreseen some of the problems involved, and has clearly given the matter deep thought and consideration, to the extent of issuing, jointly with the Central N.H.S. (Chemist Contractors) Committee, a letter to all Local Pharmaceutical Committees and to Society and N.P.U. branch secretaries. The letter shows that the whole position gives cause for deep uneasiness.

## Established Practice

While the pattern of work in a pharmacy could be seriously upset in many cases by the departure from the immediate vicinity of one or more doctors, it may be that the loss of dispensing would prove to be less than had been feared. It is extremely unlikely that the domiciliary prescriptions would go elsewhere, and if a good service has been given by local pharmacists over the years, many of the prescriptions issued at the centre would still come to those with whom the patients had a long connection. But that is speculative. Perhaps the best short answer to what may be regarded as a danger is to make it clear that the pharmacy takes its pharmaceutical duties seriously and, by its professional appearance, conveys the impression that the dispensing of medicines is not just a sideline. The letter states that the Society's policy is that, so far as health centres are concerned, wherever adequate pharmaceutical facilities are available or can be made so through pharmacies, the needs of the public are best met in that way. That is an assertion that may require to be proved, and the proof lies in the hands of the pharmacist in retail.

## Containers

Worcester Executive Council has been recommended by its finance and general purposes committee (p. 131) to inform the Ministry of Health that it considers that collapsible cardboard containers are inadequate for the dispensing of tablets. I am a little surprised that the complaint should have to be made, even if the committee feels that, if necessary, the container allowance to chemists should be increased to cover any additional cost. There will always be difficulty in securing a higher container allowance so long as some pharmacists continue to use collapsible cardboard containers, which are no compliment to the pharmacy using them or to the medicines they inadequately protect. But, as a recent illustrated page in one of your issues showed, pride in the finished appearance of a medicine is not everywhere what it once was.



# Irish Drug Association

## ANNUAL MEETING REVEALS CONCERN AT PRICE CUTTING

COMPLAINTS of under-cutting by a county Dublin pharmacist were voiced at the annual meeting of the Irish Drug Association, held in Dublin on July 31. The fear was there expressed that, unless something were done immediately, the situation would develop into a "free for all." Three pharmacists in an area mentioned were stated to be "cutting each other's throats." Already the pharmacist "cutter" was sending literature outside the area drawing attention to his keen prices.

After MR. J. BURKE had pointed out that some Dublin pharmacists were not charging the full professional fee on prescriptions, MR. T. J. GLEESON said there was no such thing as loyalty among pharmacists in the city area. If pharmacists could not agree on a 3s. 6d. fee, they should choose some other figure. Mr. Burke said that there was no problem in the better-class areas of Dublin. He suggested that the president and registrars of the Pharmaceutical Society of Ireland, and the president and secretary of the I.D.A. should interview the pharmacist, who was "stepping out of line."

THE PRESIDENT (MR. W. J. Gardner) said that the secretary (Mr. B. R. J. Smith) had already interviewed the man but he would also be prepared to speak to him. He hoped that the president of the Society would accompany him.

MR. REILLY said that the practice adopted by the pharmacist would ultimately reduce his profits. The area was newly built-up, and there was considerable price-cutting in baby foods.

Having said that he would visit the area, THE PRESIDENT said that those affected had the sympathy of all right-thinking pharmacists.

### Wanted: Better Relations With Doctors

Earlier, MR. BURKE had suggested that the *rapprochement* between members of the medical and pharmaceutical professions needed improving. For years that liaison had been taken for granted, and had in the main been honoured by pharmacists, but it was rapidly deteriorating, particularly with the younger doctors. Instead of being regarded as colleagues, pharmacists were being looked on by some doctors "as a type of parasite." A meeting with the Irish Medical Association to clear up misunderstandings was long overdue.

Mr. Burke spoke of a doctor who had told a "well-off" patient who had been complaining of prescription charges that "he knew somebody in the wholesale line who would be better." Even the *Medical Times* had recently admitted that doctors were perhaps over-stepping themselves in that respect. Agreeing, MR. P. J. CAHILL said that doctors were quoting patients a price for prescriptions, based on the *Mims* list. Unless the doctor ordered an original pack, however, the pharmacist was entitled to his professional fee.

MR. M. BROPHY (vice-president) said that the Association was arranging to

meet the I.M.A. Doctors had told him that patients were asking the price of drugs. Group doctors had said that, if they prescribed too costly drugs, patients would not come to them.

MR. CAHILL said it should be made clear to doctors that the *Mims* price did not include the pharmacists' professional fee.

When THE PRESIDENT said they had already approached the editor of *Mims*, who had inserted a note to that effect in the journal. MR. CAHILL said that the note appeared on the frontispiece of the journal—not on the pages that would be consulted by the doctors.

### Fee Incorporated in Charge?

MR. BURKE considered that a new price-structure should be established incorporating the professional fee in an all-in charge. MR. D. P. MCHUGH (treasurer) pointed out that that would cause some difficulty when fewer tablets were ordered than were contained in the original pack. It would be more satisfactory if the medical profession could be persuaded not to quote a firm price to the patient.

MR. BROPHY called for a higher profit margin than the present "ridiculous" 33½ per cent.

MR. REILLY suggested that the Association should issue cards for display stating that a 3s. 6d. fee was being charged on all prescriptions. Doctors, pharmacists and the public would then be fully apprised of the position.

MR. HAYES asked why a pharmacist should have to resort to such a practice. Why shouldn't the doctor be obliged to do the same?

MR. CRONIN was opposed to telling the public about the fee: it was not the public but pharmacists who needed to be told. The liaison officer should see to it that the public knew a fee was charged.

MR. CRONIN said that putting up a notice would only make things more obvious. Doctors should be told of the amount and variety of stock pharmacists were required to carry. If prescriptions were not filled immediately doctors would demand to know what was wrong.

MR. REILLY raised the subject of substitution, saying that a prescription had been handed to him that had already been substituted by another pharmacist at a price even less than that charged for the products substituted. MR. CAHILL said it looked as if pharmacists were wasting their time trying to observe the regulations.

MR. BROPHY said that the replies received to a questionnaire sent out by the Society's Practice of Pharmacy Committee showed that only about 50 per cent. of those who had replied were charging the full fee. That inference, however, could be misleading, because he did not know how many had replied. It did not follow that the remainder were not charging some type of fee.

MR. CAHILL, who asked if they had

any power to deal with the pharmacist who had substituted a prescription, was told by MR. BROPHY that the matter could be taken up as "passing-off."

MR. LYALL SMITH pointed out that the Department of Health had issued voluminous lists of alternative drugs and they might have considerable difficulty in proving that an offence had been committed. MR. CAHILL did not think pharmacists were allowed to substitute. The public dispensaries might do so but not community pharmacists. THE PRESIDENT undertook to raise the matter at the next committee meeting.

MR. G. C. O'NEILL said that up to the present pharmacists had been worried about supermarkets. Now they had price-cutting of professional fees. He did not believe replies to the recent questionnaire gave a representative picture of the total number of pharmacists charging full fees. After further discussion THE PRESIDENT said that the suggestion to send out a new circular to pharmacists emphasising that the full fee should be rigorously observed would be considered. He himself considered the fee too small—that might be why some pharmacists were not charging it.

MR. CRONIN considered that an annual meeting was insufficient to keep pharmacists in touch with such problems. He suggested a special meeting to consider fees and other matters. THE PRESIDENT promised to bring the matter up at the next committee meeting. MR. BURKE regretted that the average pharmacist did not attend the annual meeting, and MR. SHANNON drew attention to the fact that a Dublin pharmacist had three notices displayed in his window reading—"Diabetic Preparations Free." Agreeing that the practice was most unethical, THE PRESIDENT undertook to contact the pharmacist next day.

### Tendency to Hand Drugs to Patients

MR. J. F. SHINE, Wicklow, referred to a tendency among young doctors to distribute drugs to patients. They must, he said, obtain them at or below cost. In his locality there were six doctors and the only time the pharmacist was given a prescription, was apparently, when the doctors' supplies ran out. Medical representatives had assured him that their companies were not supplying the doctors. He called for a publicity campaign to put the pharmacists' case before the public and to the medical profession.

Replying to MR. CAHILL, THE PRESIDENT said there had been no further progress on the Government's White Paper on the Health Service. At an interview, Department officials had not committed themselves to any date on which it would be implemented.

In his annual report, THE PRESIDENT stated that, following negotiations with the Irish Union of Distributive Workers and Clerks, wage increases had been granted recently to pharmacists and qualified assistants. The conditions of



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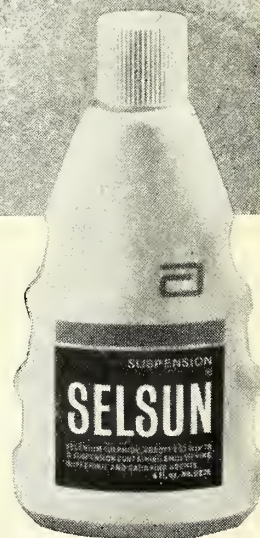


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unqualified staff would be considered in the near future. The committee felt that negotiations with regard to cosmeticians and counterhands should be dealt with by individual employers because of the wide variety of factors involved. The Wholesale Drug Federation was anxious to be released from an agreement with the Association under which the medical profession was supplied at basic retail price less 10 per cent. Wholesalers felt that they should be able to supply veterinary surgeons at cost as the tendency was for manufacturers to do so. Operating the Department of Agriculture's warble-fly scheme last year had brought the Association almost £3,000. On the motion of MR. LYALL SMITH, seconded by MR. R. K. DEEVY, the report was adopted.

The treasurer's report showed a profit of £3,692 on the year. Replying to MR. CAHILL, MR. D. P. MCHUGH (treasurer) said the Association had 1,003 members, which meant that about 200 pharmacists were not members. THE PRESIDENT said that Mr. O'Donoghue, who had already succeeded in getting new members, was continuing his efforts to make the Association all-embracing. The report was adopted on the motion of MR. A. B. SMITH, seconded by MR. BROPHY. On the motion of Mr. Irwin, Miss Anne Macnamara was reappointed Auditor.

THE PRESIDENT reported that the following retiring members had been re-elected to the committee: Miss B. Harnett; Messrs. S. Conway, W. J. Dalton, P. Delany, J. Kennedy and P. McGee.

THE SECRETARY said that, from 1968, the price list would be reprinted every two months.

## BRANCH EVENTS

### SALOP/MONTGOMERYSHIRE

#### Shakespeare at Ludlow

TWENTY-EIGHT members and guests of Shropshire and Montgomeryshire Branch of the Pharmaceutical Society attended an open-air production of "Measure for Measure" at Ludlow Castle on July 6. They had dined first at the Feathers hotel in the town.

### SHEFFIELD

#### Armchair Travel

SHEFFIELD Branch of the Pharmaceutical Society recently held its annual "liaison lecture" with local doctors, dentists and opticians. An audience of 333 was addressed by Dr. G. B. Mair, on "From the Peacock Throne to Kashmir," a photographic record of an expedition that "began quietly with His Imperial Majesty the Shah of Iran and his palaces before moving on to the beauty spots of ancient Persia and Afghanistan, overland through the Khyber Pass to Swat and then 'by the most dangerous journey in the world' to Hunza—described as the prototype of James Hilton's Shangri-La." The return journey was made to the North-West Frontier Provinces and was highlighted by an interview with President Ayub Khan visiting the cease-fire line in Kashmir.

## FINES REDUCED ON APPEAL

### "To some extent out of line"

FINES totalling £180 imposed by Feltham magistrates on Mr. Frederick Cook Lea, Market Parade, Hampton Road West, Hanworth, for offences under the Pharmacy and Poisons Act at premises at High Street, Hampton Hill, were varied by Middlesex Area Sessions Appeals Court on July 26 to fines totalling £45. Mr. Lea had been fined £30 on each of six summonses for unlawfully selling, otherwise than under the supervision of a pharmacist, the products Metatone, Veganin, Librium, Stelazine, phenobarbitone and Soneryl, all containing substances in Part I of the Poisons List. The circumstances were that, on February 9, two inspectors of the Pharmaceutical Society visited Mr. Lea's pharmacy, in which he carried on business with two assistants. One of the inspectors was served with the first two preparations. Four prescriptions had been made up containing the other substances. It was disclosed to the inspectors that there was no pharmacist on the premises. Counsel for the Society said that, in June 1956, Mr. Lea had been granted an absolute discharge and fined £10 respecting two illegal sales. Mr. Lea's counsel said the appellant and his wife were both registered pharmacists. They carried on independent businesses — Mr. Lea at Market Parade and Mrs. Lea at High Street, Hampton Hill, and they lived in a flat over Mrs. Lea's business. In February two tragic events in Mrs. Lea's life brought about a physical collapse and she was in hospital for three weeks. She returned to work too soon and collapsed again. Arrangements were made for her to have a special medical examination and when the call for it came, they

had to engage a relief pharmacist at short notice. They secured the services of a retired pharmacist in Bristol, and Mrs. Lea went into hospital. Mr. Lea decided to wait at his wife's pharmacy until the relief man came, but the man himself was taken ill and prevented from arriving. Mr. Lea did not know that and had to make up his mind what to do. Counsel said Mr. Lea spent most of his time at his wife's pharmacy, going to his own shop in the morning before it opened, and just before it closed in the evening, leaving his pharmacy in the hands of an experienced assistant. If anything occurred that required his presence he was to be telephoned, and could get there in ten minutes. The magistrates had made no distinction between the sale of the first two preparations and the remainder. In due course Mr. Lea would have to go before his professional body in relation to the summonses. Even with what had been said in mitigation his professional body was open to take a serious view. The deputy chairman said the court did not wish it to be thought that they were saying that the provisions of the Pharmacy and Poisons Act, 1933, should not be rigidly enforced and rigidly observed by all who were engaged in pharmacy. It was vitally important that they should be. However, in the particular circumstances of the case, the court felt that the fines imposed were to some extent out of line, and with all respect to the justices the fines in respect of the Metatone and Veganin would be reduced to £2 10s. each and the fines in respect of Librium, Stelazine, phenobarbitone and Soneryl to £10 each.

## MEDICAL RESEARCH COUNCIL REPORT

(Concluded from C. & D., August 12, p. 137)

THE first progress report by Kinnear Brown, Stone and Sutherland on a recent large-scale trial of B.C.G. vaccination of Uganda children against leprosy is described as a most important contribution to a difficult and controversial subject. The trial shows beyond doubt the benefit of B.C.G. vaccine in preventing the development of leprosy in those young children who have negative or weak tuberculin reactions and who are exposed to a special risk through contact with relatives or others with leprosy. The most surprising discovery was that B.C.G. vaccination gave a similar degree of protection (80 per cent.) against leprosy, as it has been found to give when used against tuberculosis in school children in the first two-and-a-half years after vaccination. It is emphasised that the preliminary favourable results should be treated cautiously, since the leprosy seen so far, both in the vaccinated and in the unvaccinated groups, has been of an early type, and some cases may resolve spontaneously. The mechanism of platelet aggregation by ADP (adenosine diphosphate) has been shown to underlie the aggregating action of the various

other substances that make platelets adhere to one another (they include thrombin, adrenaline and fatty acids). Adrenaline, which greatly decreases the concentration of ADP required to aggregate platelets, is itself increased by stress, while heavy meals increase fatty acids. The findings reinforce widely held beliefs about the causation of thrombosis. Various substances inhibit platelet aggregation in laboratory tests, and some of those substances are structurally related to ADP; it is likely, therefore, that, though they are unable to take part in the aggregation process, they occupy the sites on the platelet surface required by ADP. In that way the substances are capable of abolishing experimentally produced thrombosis in rats and rabbits. The substances have also, however, some undesirable effects, and a search is being made for harmless inhibitors that might be used to prevent thrombosis in man. Meanwhile other drugs have been found to prevent the release of ADP from platelets and so to interfere with the "chain reaction". Some of those drugs may prove capable of preventing the build-up of a thrombus.



## LEGAL REPORTS

### Sales at a "Converted" Pharmacy

A DRUG store owner was fined a total of £40 and ordered to pay £5 5s. costs at Wells Street, London, magistrates' court on August 8 for offences arising out of the business. Mrs. Grace Haigh, 225 Baker Street, Marylebone, London, W.1, was prosecuted by the Pharmaceutical Society of Great Britain. Mrs. Haigh was not in court, but pleaded guilty through her counsel to six summonses (using the title of chemist when unregistered; selling a skin preparation containing poison with no name and address on the label; taking and using a title unlawfully; selling a poison otherwise than under supervision, and selling a poison on unregistered premises.) Prosecuting counsel for the Society told magistrates that Mrs. Haigh's shop had been visited in March and a warning given with regard to the strict observation of the law in the running of the business. In May a woman agent for the Society went into the shop and purchased a tube of Transvasin. It was sold to her without being labelled with the name of the chemist. The tube was put in a paper bag containing the inscription of a pharmacist. Counsel said that all the summonses had been issued as a result of that one sale. The shop had been registered as a pharmacy at one time, but it was turned into a drug store because Mrs. Haigh could not get a qualified person to run it. Her husband was a pharmacist and he ran "a quite proper business elsewhere." Counsel defending Mrs. Haigh said that she wished to offer her apologies for her "neglect." He said that the business had been converted from a pharmacy into a drug store in February 1966. There had remained on the premises substances that came under the Pharmacy and Poisons Acts, but they were old stock and were being cleared. One of them was the tube of Transvasin. The bags used for sales were also old stock and they had now been replaced.

## COMPANY NEWS

Previous year's figures in parentheses

**DIXONS PHOTOGRAPHIC, LTD.** — Profits, before tax, in the year ended April 30, were £252,318 (against £303,327). The dividend for the year is held at 20 per cent. with an unchanged 11 per cent. final.

**HODDERS, LTD.** — Mr. Lewis H. Shaw, M.P.S. has been appointed chairman. He retains his position as joint managing director.

**BURT, BOULTON & HAYWOOD, LTD.** — Consolidated profit expanded from £310,659 to £383,572, before tax, in the year ended March 31. A final dividend of 7 per cent. is recommended making the year's total 12 per cent. (same).

### Deed of Assignment

CREDITORS of Mrs. Mary Irene Downing, M.P.S., 132 Bellegrave Road, Welling, Kent, have been advised that because of her financial position the debtor has executed a deed of assignment in favour of Mr. R. P. Booth,

C.A., of Booth, White & Co., 1 Wardrobe Place, Carter Lane, London, E.C.4 as trustee. According to a statement of affairs the liabilities amount to £6,840, of which £5,499 is owing to trade creditors, £166 to the bank and £1,175 to a loan creditor. After allowing £199 to preferential creditors, assets are estimated at £1,558, leaving a deficiency of £5,282.

A note on the statement of affairs explains that the loan creditors who, in respect of the balance of the purchase price of the business, holds a charge on the lease, goodwill, fixtures and fittings, the value of which is uncertain. After the death of her husband about ten years ago the debtor was employed as a locum. About four years ago, she became the manager of the Welling business. Later an agreement was reached for her to take over the business at an all-in figure of £1,750, to be paid by weekly instalments, and to secure the purchase price a charge was given on the lease, goodwill, fixtures and fittings. Mrs. Downing recently met with a motor accident. In recent weeks the turnover dropped considerably and as a result the business has been closed down and steps are being taken to realise the assets as quickly as possible.

### Voluntary Liquidation

A DEFICIENCY of £13,519 was shown in the statement of affairs of D. Barton (Chemists) Ltd., 332 Regents Park Road, London, N.3, lately 190 The Broadway, West Hendon, London, N.W., at a meeting of creditors held on July 27. Liabilities totalled £15,369, including £12,541 owing to trade and expense creditors and £1,359 director's loan account. Book value assets of £9,864 were estimated to realise £5,000 but after allowing £980 to preferential creditors and £2,170 to the bank as debenture holders, the net assets were put down at £1,850. The company commenced trading in February 1954 as retail chemists from Regents Park Road, and in October 1965, with the object of expanding the business, the company acquired further premises at West Hendon. In its initial trading period the new shop produced turnover figures which the directors considered favourable, but in the summer of 1966 the local council implemented a redevelopment scheme whereby 3,000 people were moved from the vicinity of the shop. Subsequently it was ascertained that it would be a period of three to four years before the area was re-occupied. It was thought that steadily rising turnover at the first shop would cover current losses. Later efforts were made to dispose of the West Hendon unit as a going concern, but without success, and in May the unit ceased trading. After discussion, during which it was agreed the director's loan of £1,359 would be withdrawn, a resolution was passed by creditors confirming the voluntary liquidation of the company with Mr. P. Monjack, Leonard Curtis & Co., 13 Wimpole Street, London, W.1, and Mr. R. P. Booth, Booth, White and Co., 1 Wardrobe Place, London, E.C.4, as joint liquidators.

## BUSINESS CHANGES

MR. NORMAN HART, M.P.S., has opened a branch pharmacy at 2 Market Place, Redditch, Worcs.

BRITISH PHARMACOPOEIA COMMISSION are transferring their offices and laboratory to 8 Bulstrode Street, London, W.1 (telephone: 01-935 7604), on August 29.

MR. L. E. LAWRENCE, M.P.S., is taking over the pharmacy trading as Coombes of Joydens Wood, Ltd., 2 Birchwood Parade, Woodside Drive, Wilmington, Dartford, Kent, on September 1.

## PERSONALITIES

MR. D. ANDERSON, M.P.S., 9 Lawnway, York, is retiring from his position as Yorkshire representative for Printar Industries, Ltd., at the end of August. Mr. Anderson commenced his service with Stemco, Ltd., in 1931 and transferred to Printar Industries in February 1963 when that company took over the marketing of all Esso and allied products.

MR. F. WHITHAM, a director of W. Blythe & Co., Ltd., Church, Accrington, Lancs, started work with John Riley & Sons, Ltd., fifty years ago as a junior clerk. In 1936 he was promoted to commercial manager and 1956 to commercial director. When that company fully merged with Messrs. Blythe in 1958 he became sales manager and in 1964 was appointed to the board of directors.



A TRADE PERSONALITY RETIRES: Mr. Pat Collard (advertising manager for almost thirty years with the Scholl Mfg. Co., Ltd.) was given a farewell party by the directors on the occasion of his retirement recently. It was attended by over a hundred colleagues.

## DEATHS

**COCKING.**—On July 29, Mr. Gilbert Cocking, M.P.S., 12 Queen Street, Morecambe, Lancs. Mr. Cocking qualified in 1928.

**GARB.**—On July 21, Mr. Philip Garb, M.P.S., c/o Peck & Son, Ltd., 18 St. Andrews Street, Cambridge. Mr. Garb was a South African pharmacist who registered with the Pharmaceutical Society earlier this year.

**JEFFES.**—At his home, on August 7, Mr. Ronald Ernest Jeffes, M.P.S., 215 Wells Road, Malvern Wells, Worcs, aged fifty-nine. Mr. Jeffes had been in business at Malvern Wells since 1935. Mr. Jeffes was a former chairman of the Worcestershire and Here-



fordshire Branch of the Pharmaceutical Society and of the Worcester City and Country branch of the National Pharmaceutical Union. A former president of Malvern Chamber of Commerce, a member of the Rotary Club of Malvern since 1953, a member of Royde Lodge of Freemasons, Mr. Jeffes was a former churchwarden of St. Peter's parish church and vice-chairman of the parochial church council. He is survived by his widow and two daughters.

**PETTIFER.**—On August 10, Mr. Frank Pettifer, M.P.S., 48 Twemlow Avenue, Parkstone, Dorset, formerly of St. Austell, Cornwall, aged eighty-nine.

**PONTING.**—At his home in Winchester Road, Andover, Hants, on August 6, Mr. Winston John Ponting, M.P.S., aged fifty-six. Mr. Ponting, who was in business at 19 High Street, Andover, was mayor of Andover in

1951. After qualifying in 1937 Mr. Ponting became manager of Browne & Gradidge, Ltd., subsequently acquiring the business and restyling it Pontings the Chemists. A borough alderman for many years, he had been a councillor since 1945. He was a founder member of Andover Rotary Club, a borough magistrate and secretary of Andover Baptist Church.

**SMITH.**—On July 21, Mr. Percy Smith, M.P.S., 14 Chaulden House Gardens, Boxmoor, Hemel Hempstead, Herts, aged 76. Mr. Smith qualified in 1924 and was apprenticed with E. Dennis Owen, Middlesbrough. Before taking up locum work Mr. Smith was in business at Burnt Oak, Edgware, Middlesex, for nearly eighteen years.

**YEATES.**—On July 26, Mr. Charles Winstone Yeates, M.P.S., 66 High Street, Wordsley, nr. Stourbridge, Worcs. Mr. Yeates qualified in 1915.

## TRADE NOTES

**An Additional Pack.**—Eli Lilly & Co., Ltd., Basingstoke, Hants, are adding to their list on September 4 a 100-mil pack of suspension Ilosone.

**Extended to Anglia TV Area.**—New Delrosa orange and rose hip syrup which was launched in the Midlands in May, is now being sold in Anglia television area. Television advertising in the area starts in mid-September.

**Free with Order.**—Golden, Ltd., P.O. Box IBX, London, W.1, offer free with Mennen products mini bottles of new Mennen "skin bracer" to sell at sixpence each. Mennen "skin bracer" contains a humectant to replace moisture lost in shaving.

**Electrically Approved.**—Among the items that have been given the approval of the British Electrical Approvals Board are the following portable hair dryers.—Model HP 4301, Philips Electrical, Ltd., and Pifco "Conquest" 1995, Pifco, Ltd.

**"Substantial" Reductions.**—Imperial Chemical Industries, Ltd., pharmaceuticals division, Alderley House, Alderley Parak, Macclesfield, Ches, announced substantial reductions in the prices of Imperacin tablets and capsules on August 10.

**Formula Amended.**—Coates & Cooper, Ltd., Pyramid Works, West Drayton, Middlesex, state that an amended formula for Plesmet F. A. tablets is being marketed from September 1. Each tablet now contains 150 microgm. of folic acid with 50 mgm. of chelated ferrous sulphate.

**Now Cartoned.**—To unify the packaging of Proteinail nail hardener, which is available from Jackel & Co. Ltd., Kitty Brewster Estate, Blyth, Northumberland, the makers have cartoned the smallest ( $\frac{3}{4}$ -oz. size) tube, which now comes, like the  $1\frac{1}{2}$ -oz. tube in a display box of 1 doz. The company's protein shampoo is now in white cartons with black and gold lettering.

**Triangular Pack That Stacks.**—Elida, Ltd., P.O. Box I.D.Y., Portman Square, London, W.1, have produced for their triangular pack of Harmony a new overwrap outer that enables the packs to be laid straight on to the shelf. Once

stacked, the cardboard part of the outer is rigid enough to allow a pack to be taken out with the whole pile collapsing. The transparent part of the wrap permits "see-at-a-glance" stock-taking.

**Standard Parcels Modified.**—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that the Tinaderm No. 1 standard parcel is being discontinued and replaced by Tinaderm No. 2 (24 x 15-gm. cream) and No. 3 standard parcels (24 x 50-gm. powder). The Fersolate No. 1 display parcel (twenty-four 100-tablet tins) is being discontinued when present stocks are exhausted, the single 100-tablet and tax-free 1,000-tablet packs continuing available.

**Change of Formula.**—J. T. Davenport, Ltd., Union Street, London, S.E.1, notify that, in order to conform with the changes in the Poisons Rules, 1967, Dr. J. Collis Browne's chlorodyne has been changed in formula. The revised product is in cartons clearly marked "Revised Formula Exempt P.R. 1967." Wholesalers and retailers are asked to dispose of their stocks of the old chlorodyne before selling the new, the makers pointing out that the old chlorodyne may well become a Schedule I poison (requiring a customer's signature) after September 30.

**New "Own-name" Designs.**—To meet the demand for their chemists own brand service which is now successfully used by over 3,000 pharmacists. Arthur H. Cox & Co., Ltd., 93 Lewes Road, Brighton, 7, Sussex, have introduced two new packs to their range of designs. Under the system operated by Messrs. Cox the pharmacist is offered the opportunity of selling his own brand of tablets, pills, creams, pastilles, etc., all pre-packed and printed with his own name and brand mark. They are delivered to his door. Only one chemist in an area is allowed to use a selected pack, thus preserving "the individual touch."

## Bonus Offers

**BAYER PRODUCTS Co.,** Winthrop House, Surbiton, Surrey. Actal, Twelve invoiced as ten on order comprising

of 1 doz. each of the 3s. and 5s. 6d. packs or more. Till September 30 [Corrected note.]

## Holiday Closings

**August Bank Holiday.**—Most manufacturers will be closed from normal closing time on Friday August 25 until normal opening time on Tuesday August 29. The following have notified that urgent requirements may be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1.

BEECHAM ETHICAL DISTRIBUTORS, Great West Road, Brentford, Middlesex.

PHARMAX, LTD., Thames Road, Crayford, Kent.

UPJOHN, LTD., Crawley, Sussex.

The following special arrangements should be noted:—

GLAXO LABORATORIES, LTD., skeleton staff available to deal with emergency orders at Greenford and Dukinfield warehouses, 9 a.m. to 12 noon on August 26. Bargeddie warehouse opens as usual on Monday, August 28.

## Competitions

**HORLICKS, LTD.,** Slough, Bucks. Test Match awards. £100 to Ken Barrington and Basil D'Oliveira for batting in first England v. Pakistan match, £100 each to Robin Hobbs and Ken Higgs for best England bowling, £100 each to Asif Iqbal and Salim Altaf for best Pakistan bowling. £50 fielding prize went to Pakistan team. £100 award for best Pakistani batsman went to Hanif Mohammad (captain).

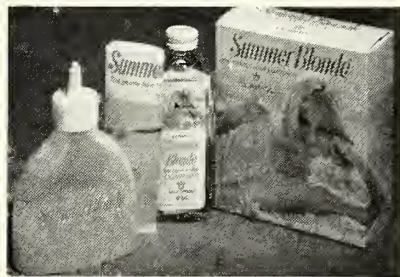
**KELDON, LTD.,** Perivale, Middlesex. Optrose rose-hip syrup (in conjunction with *Mother* magazine) "Baby's Golden Future" competition (entry forms in September and October issues of *Mother*). First prize £1,000 for child on reaching twenty-one, plus £100 cash for mother. Second and third prizes £50 and £25 respectively. Optrose bottle cap must be provided with entry.

**KIMBERLY-CLARK, LTD.,** Larkfield, nr. Maidstone, Kent. Under a new Kleenex promotion featured on Silk Soft 150's, Kleenex for men, and Kleenex kitchen towels packs, ten winners can take their pick from having a room of their choice redecorated and refurnished, wall-to-wall carpeting, the installation of gas-fired central heating or full landscaping of the garden. Competitors are required to match up six gardens with different types of houses in a set of picture puzzles, and to complete a sentence commencing "An Ideal Home is one that . . ."

## Discontinued

**GLAXO LABORATORIES, LTD.,** Greenford, Middlesex. Betnesol ointment and Betnesol-N cream; Polivirin 6 x 1 mil (single 1-mil pack continues available); tetanus vaccine (FT) Glaxo (3 x 1 mil and 10 mils: half-volume products continue available); Tricloryl tablets, 20 (packs of 100 and 500 continue available).

**UPJOHN, LTD.,** Fleming Way, Crawley, Sussex. Paminal elixir, 4-oz. (16-oz. size still available).



**PACK AND CONTENTS:** Developing lotion, leaflet and lighter that are contained in the carton (right) of Summer Blonde of Clairol, Ltd., Stamford House, Station Road, Langley, Bucks.



## NEW PRODUCTS AND PACKS

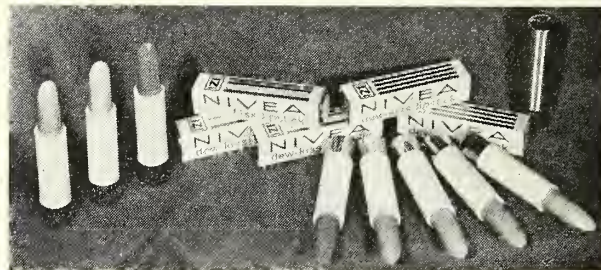
### PHARMACEUTICAL SPECIALITIES

**Potassium Chloride Effervescent Tablets.**—Cox-Continental, Ltd., 85 Church Road, Hove, 3, Sussex, are launching — initially to hospitals only — a newly developed effervescent potassium chloride tablet, Kloref. The tablet is claimed the "first and only" effervescent tablet to provide potassium chloride. It is the outcome of research into ways of providing potassium supplementation in a manner acceptable to patients and avoiding risks of intestinal ulceration. Each tablet dissolves briskly in a little cold or refrigerated water to provide 500 mgm. of KCl (approximately 6.7 mEq K<sup>+</sup>). Dosage is 1-2 tablets three times daily (or on alternative days with diuretics). The potassium chloride is formed in solution from interaction between trimethyl glycine hydrochloride, 1.035 gm., and potassium bicarbonate, 0.667 gm. The resultant effervescence, together with the peppermint flavour and sweetness, are understood to be

highly acceptable to most patients. The container is a dispensing pack of 250. At a later date supplies are being placed with trade wholesalers for the dispensing of prescriptions for patients referred from hospitals to their general practitioners.

**UPPER PICTURE:** Nivea liquid creme foundation and supermoisturised creme powder, each in three shades.

**LOWER PICTURE:** Dew-kiss lipstick in eight shades. The new Nivea cosmetics range marketed by Southalls



(Sales), Ltd., Welwyn Garden City, Herts, also includes a deep cleansing milk.

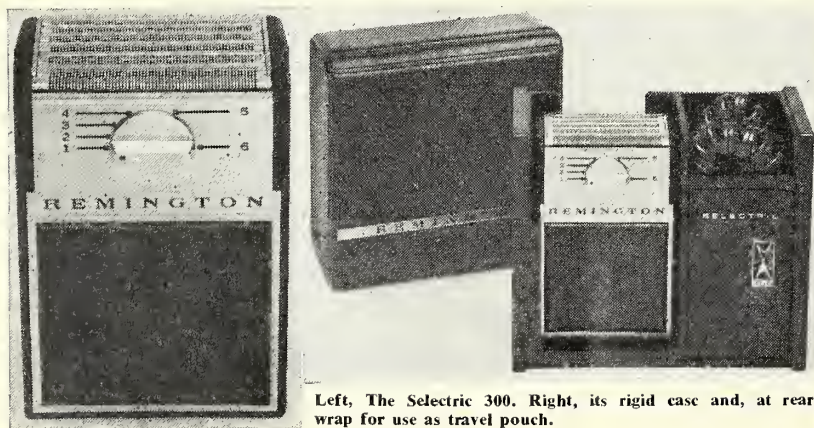
### A "THREE HOURS CLOSER" SHAVE

Many distinctive features in a new Remington model

**FEATURES** of the newly launched Selectric 300 electric shaver of Remington electric shaver division, Sperry Rand, Ltd., 26 Kensington High Street, London, W.8, appeal in function and design. The shaver incorporates the dial adjustability and other refinements of the successful Selectric model, plus major technical advances. Principal among them is an enlarged triple shaving head, newly designed to present the maximum effective area for faster shaves, ground 15 per cent. thinner than those of any previous Remington models, thus giving a degree of closeness never before found possible and claimed to leave the skin smooth for three hours longer than previously. Newly developed head-polishing techniques have been employed to render the overall surface of the outer headshells completely smooth, eliminating the possibility that their exceptional thinness might become the cause of facial irritation. Added sophistication is given to the shaving head by the provision of slotted comb guides and two "floating" central bars, spring-loaded to give the face added protec-

tion from the cutting action. Opposed-action cutters operated by a two-part oscillator have been introduced to lessen vibration and noise. A newly developed wound-armature motor — more powerful than any previously fitted to a Remington shaver — operates at approximately 10,000 revolutions per minute and has a six-part commutator that further dampens vibration. As the entire motor is encased in a nylon cartridge, noise level is, it is claimed, suppressed to the lowest possible level consistent with optimum power. An on/off switch, located at the base, adjacent to the dual-voltage selector, gives a choice of 110 or 250 volts a.c.

The Selectric 300 is in a silver-trimmed black presentation case that combines practicality with strong visual appeal. It incorporates a detachable holder for the shaver and its coil cord and consists partly of a flock-lined leathercloth wrap that serves as a travel pouch holding both shaver and coil cord. Screws and Rawlplugs are included in the shaver holder to enable it to be fixed to the wall if desired. Recommended price is £11 11s.



Left, The Selectric 300. Right, its rigid case and, at rear, wrap for use as travel pouch.

### COSMETICS AND TOILETRIES

**Now Offered Nationally.** — A range of Nivea cosmetics devised by the S. & N. toiletries division, and distributed by Southalls (Sales), Ltd., Bessemer Road, Welwyn Garden City, Herts, is being sold nationally after a test marketing. The range includes deep cleansing milk in two sizes, liquid creme foundation in three shades ("morning secret," "beige perfection," and "creme coffee") and supermoisturised creme powder in the same three shades, together with "bare face" translucent make-up. Dew-kiss lipsticks are offered in eight shades (tempting red, coral blaze, Caribbean rose, Bermuda pink, honey sweet, inn pink, safari pink and cool camel).

**Tales in Puffer Packs.** — Additions to the range of Dana perfumery products are Tabu and Canoe tales, which are presented in puffer packs. The new packs replace the tins previously available. The pack of Tabu is black and white and bears the "Dana head"; the stopper is gold-coloured. Canoe talc is in white container with white stopper. Suppliers are Dana Sales, Ltd., 6 Paddington Street, London, W.1.

**A New After-shave.** — Latest after-shave in a rapidly expanding market







**"PRESENTATION" PACKS:** Recently redesigned packs of the Ambassador series of men's toiletries of Zygmunt (Bond Street), Ltd., 3 Great James Street, London, W.C.1.

is Spruce, a product of Gillette Safety Razor Co., Isleworth, Middlesex. Spruce is described as a "tangy masculine lotion which the makers are confident will quickly capture the public imagination." The green carton carries a Spruce tree design as illustrated, the product is available in 115-c.c. and 58-c.c. sizes. It is at present being sold in the Wales and West, Westward and Tyne-Tees television areas only.

**Giant-size Hair Spray.** — L'Oreal Elnett satin hair spray is now available from Golden Ltd., Berkeley Square House, Berkeley Square, London, W.1, in 18-oz. gold pearly aerosol container as illustrated. Elnett Satin is described as spray conditioning and is now, it is claimed, the most economical. Elnett Satin after it has served its purpose is entirely eliminated with a few strokes of the brush. It contains conditioners to leave the hair vital and glossy.

#### SUNDRIES

**Electric Underblankets.** — Norvic division, Ward Brooke & Co., Ltd.,

Fassetts Road, Loudwater, Bucks, have launched several new underblankets. The Heather Quilt range, U3/U23, is made from welded vinyl foam and flame-resistant needled rayon fabric, is available in single and double sizes. The Norvic model M3/M23 Corona standard under-blanket features a permanent cover that avoids the possibility of internal rucking. The blanket has a heavy woven inner foundation with the permanent cover in flame-proof flannelette (replaceable).

**Electric Blankets for 1967-68.** — For the 1967-68 season two new models have been added to the range of electric blankets offered by Pifco, Ltd., Watling Street, Manchester, 4. Known as the New Favourite, they are in single and double sizes. All models are underblankets in fleecy material with

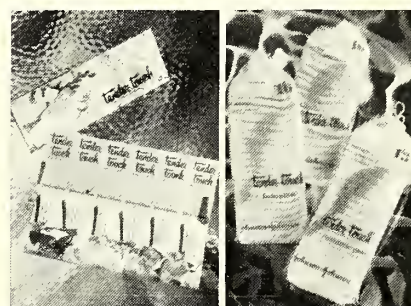


satin binding and are approved by the British Electrical Approvals Board and given a three-year Pifco guarantee. The New Favourite underblankets are in pink, with channelled construction material. All other models of the company are available in pink, gold and eau-de-nil, waterproof joints and neon indicator switches are fitted as standard.

**Disposable Dental Needles.** — Becton, Dickinson U.K., Ltd., York House, Empire Way, Wembley, Middlesex, have introduced their Bard-Parker disposable dental needles to the dental profession and hospital services in the United Kingdom. The needle has a

polypropylene hub and is packed sterile in an easy-to-open peel-apart package permitting aseptic removal. A polypropylene sheath protects the needle until the moment of use. The Microlance point ensures an almost painless injection that, say the makers, promotes the confidence of both user and patient. The needle, which is intended for use with a cartridge syringe, is available in packs of 100 and 1,000, 27G long and short and 25G long and short.

**Additions to Ranges.** — Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, are launching nationally on October 16 an addition to their Tender Touch range of beauty aids a slimline pack of twenty-five cosmetic and manicure sticks. Tipped with absorbent cotton wool, the sticks have also a chamfered end for cuticle care. The pack is perforated at intervals of five sticks to allow a "mini" pack of cosmetic sticks to be detached and put into the handbag. The floral pack slides into a transparent plastic sleeve overprinted with instructions for use. The display

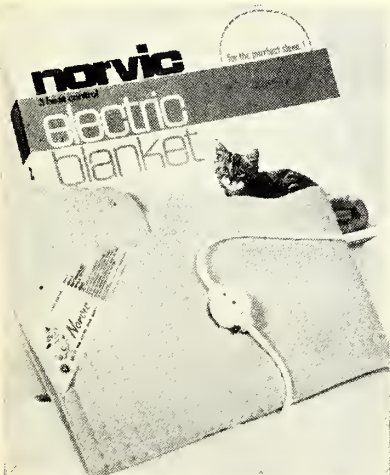


Left, Tender Touch Slimline pack of cosmetic and manicure sticks. Right, Tender Touch Twinpleats cleansing pads.

outer holds twelve packs. On September 4 Messrs. Johnson & Johnson are also extending their range of Tender Touch cleansing puffs by introducing nationally Twinpleats puffs in concertina form and supplied in transparent packs with drawcord top. Three versions are available: blue and white, pink and white, and, at a slightly lower price, a white only pack. Prices are clearly indicated on the pack-face of all versions. The overall pack measurement (12 in. x 4½ in.) enables Twinpleats to be displayed from the counter or cabinet. The Tender Touch products are issued in a transit carton that holds thirty-six.



**TRAVEL PACK OFFER:** Display matter presenting the special-offer travel pack of Gillette Safety Razor Co., Great West Road, Isleworth, Middlesex (see C. & D., July 22, p. 75).









# 'Marzine'



13 to the dozen on all direct orders of 3 dozen or over.

5 dozen or more tubes of 'MARZINE' sent carriage paid.

The holiday season is in full swing and August is the time to actively sell 'MARZINE'. Immensely popular 'MARZINE' is selling faster than ever and is solidly backed by national advertising.

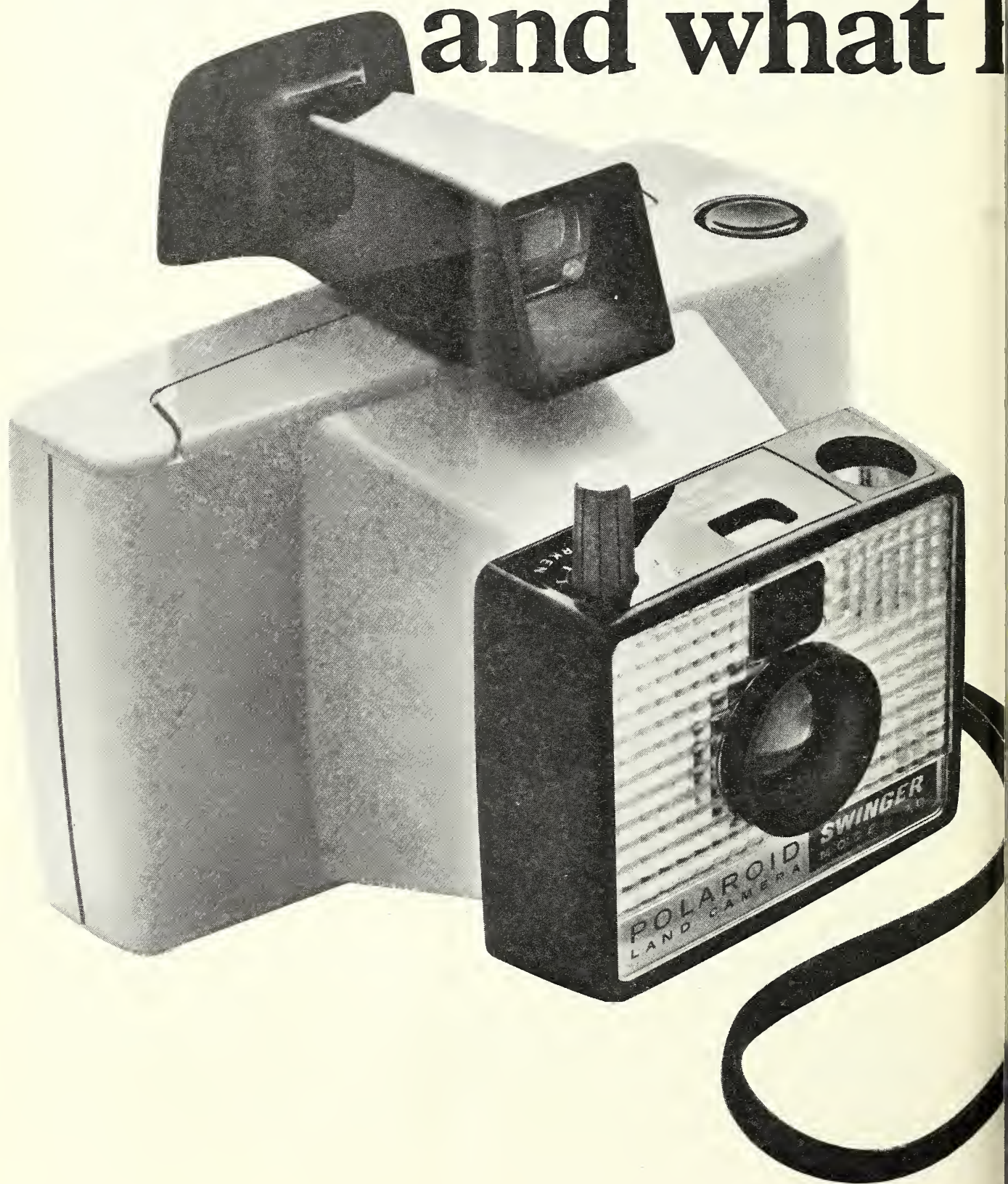
Order 'MARZINE' before the end of August to get your stock on bonus terms.

Retail price 3/- per tube of 10 tablets.





# Take away its 15 s and what l





August 19, 1967

# Cumulative price changes

AMENDING C & D  
QUARTERLY PRICE LIST  
FOR JUNE 1967

4711 (1113 S & B)										Arlef 100 (938 PD)										Camcopot (221 Camden)									
bath cubes	9115	34	3	9	5	5	1			Kapseals	50	18	0ea	—	27	0	tablets	500	24	0ea	—	36	0						
hand cream	9122	38	10	10	8	5	9				250	86	8ea	—	130	0	Capla (623 HP) †s4B	100	71	10ea	—	—							
talcum perfumed	9121	50	8	13	11	7	6			Ardena (60 Arden)				—	19	6	tablets	100	71	10ea	—	—							
hand cream	9106	—	—	—	—	—	—			highlighter	—	—	—	—	0		Capricci (Nina Ricci (1131 Shulton) )	PRI	11	9ea	3	2ea							
Acthar (61 APC) †s4B										refill	—	—	—	—	0		sachet	100	71	10ea	—	—							
gel 20iu/ml 5 mls	16	0ea	—	—	—	—	—			shader	—	—	—	—	1	6	toilet water atomiser	R100	—	—	—	—							
40iu/ml 2 mls	11	6ea	—	—	—	—	—			refill	—	—	—	—	0		D Carat (1113 S & B)	—	—	—	—	—							
40iu/ml 5 mls	26	6ea	—	—	—	—	—			Astrem (1320 W5P) †s1				—	—		I perfumed spray set	—	—	—	—	—							
Adcortyl-E (1176 Squibb)										hand care	4oz	48	0	12	11		Casaque (Jean d'Albret (1145 Sirex)	—	—	—	—	—							
cream 15gm										Atrixio (1164 SSL)							I perfume cream	87	—	—	—	42	0						
ointment 50gm										hand care tin	409	120	1	32	5	17	9	Cathomycin (837 MSD) TS	—	—	—	—	—						
Adcortyl-EG (1176 Squibb)										tube	413	20	7	5	7	3	1	tablets 250 mgm	100	180	0ea	—	270	0					
cream 15gm										Ayrton (78 AS & Co)							Cathopen (837 MSD) TS	16	17	0ea	—	25	6						
ointment 15gm										antiseptic cream	10	0	2	9	1	7		tablets	100	100	0ea	—	150	0					
Agfa (16 AGL)											14	0	3	10	2	7		Cegrovite (Grossmann (163 Bramwell))	1gm	10	48	0	—	6	9				
binoculars	8x30	—	—	—	—	406	0			Barmene (422 EG) existing entry								Celortin (938 PD)	100	27	4ea	—	41	0					
case	—	—	—	—	—	66	7			D Barmene (793 MFL)								Kapseals	100	27	4ea	—	—	—					
case	10x40	—	—	—	—	544	0			pure yeast extract								Celtex (1164 SSL)	—	—	—	—	—	—					
filters, slip on	—	—	—	—	—	74	0			1 1/2oz	13	6	—	—	1	6		sanitary towels	12	20	3	—	2	1					
mount	30-32mm	—	—	—	—	32	9			3 1/2oz	22	6	—	—	2	6		super soft	18	29	2	—	3	0					
	35-5mm	—	—	—	—	36	3			7oz	36	0	—	—	4	0		Censedal (971 PSMB) †s4A	—	—	—	—	—	—					
	46mm	—	—	—	—	45	11			16oz	67	6	—	—	7	6		tablets 60mgm	25	26	0	—	3	3					
lens hoods	30mm	—	—	—	—	11	10			7lb	21	0ea	—	—	28	0		500	27	8ea	—	41	6						
32mm	—	—	—	—	—	13	10			low sodium	3 1/2oz	24	9	—	2	9		200mgm	25	60	0	—	7	6					
Aireys (203 Brynn)										7oz	39	0	—	—	4	4		Certo (130 Bird)	—	—	—	—	—	—					
soothing syrup	20	0	4	11	2	10				7lb	22	9ea	—	—	29	9		Certo (505 GFL)	—	—	—	—	—	—					
Akaba (981 Picot)										Beaux' Stratagem (512 GF)								D Charco-lax (698 Keswick)	22	9	6	3	3	3					
perfume	1/2oz	92	6	25	5	13	9			men's Cologne	102	0	27	0	17	6		tablets	38	8	10	8	5	9					
Albamycin (1263 Upjohn) TS										Betadine (117 BPL)								tablets	70	0	19	3	10	0					
tablets 250mgm	16	34	5ea	—	—	—	—			surgical scrub	1pt	35	3ea	—	52	11		Chemico (302 Chemico)	22	6	—	—	2	6					
Aldactide (1121 Searle) †s4B										D Bisk-o-Lem (1530 Fisons)								household cleaner	22	6	—	—	4	2					
tablets	40	31	2ea	—	—	46	9			Blendrite (888 Newey)								medium	37	6	—	—	9	7					
	100	73	0ea	—	—	109	6			hairgrips cushion								large	86	0	—	—	30	8					
Allay (430 Eucryl) †DDI										tip	4	9	1	4	9			No. 6 tin	28	lb.	23	0ea	—	—					
cough treatment	25	0	—	—	—	4	0			Bradifan (859 Moore)								28 lb. keg	23	0ea	—	—	—	—					
Aludrox SA (1352 Wyeth) †s4A										tablets	50	12	0ea	3	4ea	20	6	Chypre (301 Coty)	152	9	41	0	22	6					
suspension	12oz	72	0	—	8	0				250	54	6ea	14	5ea	92	6		dusting powder	348	152	9	10	6	5					
Ambassador (1363 Zygumt)										ampoules 2.5 gm	17-5mils	23	6ea	—	35	3		de luxe	357	39	0	10	6	5					
Ambassador (1593 Ambassador)										17-5mils	23	6ea	—	35	3			talcum	357	39	0	10	6	5					
Ambodryl (938 PD)										Brinaldix (1098 Sandoz) †s4B								de luxe	348	152	9	41	0	22	6				
elixir	4oz									tablets	25	9	9ea	2	8ea	17	4		de luxe	348	152	9	41	0	22	6			
Ambramycin (894 Nicholas) all products										100	37	6ea	10	4ea	66	7			de luxe	348	152	9	41	0	22	6			
Ambre Solaire (525 Golden)										capsules	16	16	4ea	—	24	6			de luxe	348	152	9	41	0	22	6			
satin aerosol	86	0	23	8	12	8				100	97	6ea	—	146	3				de luxe	348	152	9	41	0	22	6			
Amesec (413 Lilly) †s4A										Britmarine (555 Haffenden)									de luxe	348	152	9	41	0	22	6			
Pulvules	100	7	7ea	—	—	11	4			hot water bottles									Bouncette	58	4ea	—	—	87	6				
	500	34	2ea	—	—	51	3			Cambridge No. 3	47	0	—	—	—				de luxe	70	0ea	—	—	105	0				
	5000	332	6ea	—	—	498	9			Cleveland No. 3	47	0	—	—	—														
Amfix (818 M & B)										Slumberdeep			—	—	—														
Empak to make 10oz										No. 2	45	0	—	—	—														
Amin-Ex (760 Liga)										swimming caps																			
low protein biscuits	23	0	—	—	—	2	6			fashion																			
Amytal (413 Lilly) †s4A										Kate	5	4ea	0	8ea	8	11													
tablets 30mgm	100	1	11ea	—	—	2	10			D hot water bottle																			
	500	5	10ea	—	—	8	9			Cambridge No. 2	—	—	—	—	—														
	5000	49	10ea	—	—	74	9			Burson (1388 TKC)																			
50mgm	100	2	3ea	—	—	3	4			anklets	pair	13	3	—	19	11													
	500	7	6ea	—	—	11	3			knee caps	pair	13	3	—	19	11													
	5000	65	8ea	—	—	98	6			Cafadol (1253 Typharm)																			
100mgm										tablets	dp100	90	0	—	—														
	100	3	0ea	—	—	4	6			Caladryl (938 PD)																			
	500	11	9ea	—	—	17	7			aerosol spray	54	0	15	0	8	0													
	5000	110	0ea	—	—	165	0			Calaran (1169 GS & S)																			
200mgm										eyebrow and lash																			
	100	5	3ea	—	—	7	10			dye	58	0	15	11 1/2	8	6													
	500	23	3ea	—	—	34	10			Caleche (1525 PDP)																			
André Philippe (48 AP)										bath oil	1oz	30	0ea	8	1ea	55	0												
shampoo rose,										2oz	45	9ea	12	3ea	84	0													
lemon, liquid,										dusting powder	5oz	32	9ea	8	10ea	60	0												
medicated	14	10	0	2	9	1	6			refill	5oz	16	0ea	4	5ea	29	0												
shampoo liquid	16	—	—	—	—	—	—			soap standard	3oz	7	6ea	2	0ea	14	0												
hair lacquer aerosol										de-luxe	3oz	23	0ea	6	2ea	42	0												
men's	101									talcum powder	3oz	11	6ea	3	1ea	21	0												
hair lacquer light										I Californian Poppy (76 Atkinson)																			
spray	N/2									perfume	trial	11	11	3	2	1	9												
Aquatheron (835 M & J)										standard	17	0	4	7	2	6													
Aqua Velva (1113 S & B)										Calpol (218 Calmic)																			
Aqua Velva (1524 Chembro)										paediatric suspen-	4oz	48	0	—	—	6	0												
										sion	40oz	31	6ea	—	—	—													

"Pol



Fenjal (1113 S & B)										Guerlain (548 Guelrain)										projectors cine									
creme-bath										film spray lotion										Elmo FPC									
decanter										sun kit bag										Imferon-D (1530 Fisons)									
31 8ea										— —										disposable syringes									
Ferfollic M (17 Agprolin)										Gumtux (1413 P & S)										5x5mils 31 3ea									
tablets										(distributors 1545 Vestric)										— —									
1000 30 0ea										Habanita (Molinar (960 ADP))										Imperacin (649 ICI) TS									
4 6ea										perfume										capsules									
1000 30 0ea										2704 62 6ea										16 4 1lea									
Ferfollic SV (17 Agprolin)										presentation										100 28 0ea									
tablets										2507 25 6ea										1000 248 4ea									
100 5 6ea										2506 38 6ea										16 4 1lea									
1000 40 0ea										2505 60 6ea										100 28 0ea									
— —										2504 95 6ea										1000 248 4ea									
— —										concreta single										— —									
— —										boule										— —									
— —										9 10ea										2 8ea									
— —										Haemorex (333 Cupal)										7 5 4 6									
— —										30 0										— —									
— —										Halex (80 BXL)										— —									
— —										ladies brush sets										— —									
— —										engine turned										— —									
— —										3-piece										E695 292 0									
— —										Hall's (1511 IW)										80 4 43 3									
— —										wine										bottle 171 6									
— —										Happy Feet (1383 MFCC)										— 18 0									
— —										Danish exercise clogs										— —									
— —										Aurora										— —									
— —										brown suede										32 0ea									
— —										white calf										33 0ea									
— —										Brigita										39 6ea									
— —										Georgina										39 6ea									
— —										exercise sandals										— —									
— —										Britta ladies										42 0ea									
— —										Gymna childs										19 10ea									
— —										adults										21 0ea									
— —										raised heel										26 7ea									
— —										spare straps										5 6ea									
— —										Kitty ladies										39 0ea									
— —										Savanto childs										14 0ea									
— —										adults										15 0ea									
— —										spare straps 4										7ea									
— —										Harriet Hubbard Ayer (852 Molyneux)										— —									
— —										blue kit										— —									
— —										mini-kit										— —									
— —										mascara new silk										— —									
— —										long-lash										— —									
— —										refill										— —									
— —										H.E.B. (589 HEB)										— —									
— —										lac										8oz 48 0									
— —										20oz										96 0									
— —										40oz										15 0ea									
— —										80oz										26 9ea									
— —										2 1/2oz										39 0									
— —										1 0oz										123 0									
— —										22oz										16 0ea									
— —										5 1b										52 6ea									
— —										7 1b										68 0ea									
— —										Helena Rubinstein (596 HR)										— —									
— —										Ultra Feminine										— —									
— —										beauty oil										— —									
— —										estrogenic										— —									
— —										hormone cream										— —									
— —										Hibitane (649 ICI)										— —									
— —										antiseptic lozenges†										20 16 0									
— —										glucanate solution										1gal 338 0ea									
— —										20%										— —									
— —										Hi-Lift (422 EG) existing entry										— —									
— —										Hi-Lift (422 EG)										— —									
— —										honey and yeast										— —									
— —										tablets										150 37 9									
— —										350										63 0									
— —										molasses and yeast										— —									
— —										tablets										60 16 9									
— —										150										37 9									
— —										300										54 0									
— —										Hogg's (1323 Westmacott)										— —									
— —										Eetle-roach										90gm 14 6									
— —										Humagel (938 PD) TS										— —									
— —										suspension										150mils 13 2ea									
— —										360mils										30 0ea									
— —										Hygroton-Reserpine (501 Geigy)										— —									
— —										Ice Blue (1113 S & B)										— —									
— —										Ice Blue (1524 Chembro)										— —									
— —										Icilm (509 Gibbs) vanishing cream										— —									
— —										Ikolblitz (673 J of H) existing entry										— —									
— —										Ikolblitz (673 J of H)										— —									
— —										flashguns										— —									
— —										LD cord										— —									
— —										shoe										— —									
— —										6 cord										— —									
— —										plug in										— —									
— —										shoe										— —									
— —										M shoe										— —									
— —										cable										— —									
— —										Ikophot (673 J of H)										— —									
— —										exposure meter S										— —									
— —										CD										— —									
— —										Ikoscop (673 J of H)										— —									
— —										slide viewer										— —									
— —										Ilford (645 Ilford)										— —									
— —										cameras										— —									
— —										Electric CR										298 7ea									
— —										L										339 5ea									
— —										SR										418 4ea									
— —										case										28 5ea									
— —										Elmo C-200										1142 7ea									
— —										Ilfomatic universal										24 6ea									
— —										50										7 9ea									
— —										case										2 1ea									
— —										Monarch										247 8ea									
— —										case										11 4ea									
— —										Sportsman 300										160 11ea									
— —										case										24 11ea									
— —										flashgun Ilfoflash										7 9ea									
— —										2										1ea									
— —										3										1ea									
— —										4										1ea									
— —										5										1ea									
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— —										200										1ea									
— —																													

<b>Largactil</b> (971 PSMB)†s4B				<b>Mandrax</b> (1087 Roussel) †s4B				<b>Monogram</b> (857 ME)			
tablets 10mgm	50	28	0	capsules	12	40	0	electric overblankets			
	500	19	8ea		100	24	0ea	Countess	single	170	6ea
25mgm	50	44	0	tablets	1000	210	0ea		double	196	8ea
	500	32	2ea						dual	222	11ea
50mgm	50	84	0	<b>Man-Set</b> (1192 SGD)				Peeress	single	137	1ea
	500	61	8ea	hair spray for men	36	0	9 11		double	162	1ea
100mgm	50	13	6ea	<b>Marinure</b> (1369WSHL)					dual	193	3ea
	500	115	0ea	seaweed				hairdryer de luxe			
<b>Laryncol</b> (835 M & J)				concentrate spray							
throat spray metered	44	2	—	1pt	—	—	10 0	<b>Morning Pride</b> (800 TM)			
				2pt	—	—	18 6	shave cream brushless			
<b>Layla</b> (1000 PPL)				½gall	—	—	35 0	tube	19	2	5 3½
<b>Layla</b> (1412 Jackel)				1gall	—	—	60 0	jar	22	6	6 2½
nail enamel transparent				n.p.k. fertilizer				<b>Morny</b> (862 Morny)			
<b>Lectric Shave</b> (1113 S & B)				14lb	—	—	17 6	soap French Fern,			
<b>Lectric Shave</b> (1524 Chembro)				28lb	—	—	32 6	June Roses, Pink			
<b>Lederstatin</b> (746 Lederle) TS				56lb	—	—	50 0	Lilac, Gardenia,			
capsules 300mgm	16	26	0ez	1cwt	—	—	70 0	Lavender Flowers,			
	100	155	4ea	2cwt	—	—	135 0	Blue Carnation,			
	500	748	8ea	powdered manure				Lily of the Valley,			
suspension	2oz	9	0ea	14lb	—	—	15 0	Wild Rose, Verbena,			
				28lb	—	—	27 6	Sandalwood			
<b>Leichner</b> (749 Leichner)				56lb	—	—	40 0	toilet (1)			2 3
Kamera Klear	59	0	16 3	1cwt	—	—	60 0	bath (1)			3 7
cheek tint	74	0	20 4	2cwt	—	—	115 0	visitors disks (5)			6 3
cream powder	66	0	18 2	<b>Mary Quant</b> (876 MP)				old packs			—
eye liner				loads of lash (5 pair)	33½	J	—	<b>Mother Seigels</b> (800 TM)			
eye shadow							42 0	syrup	24	8	6 9½
cream	59	0	16 3	<b>Maws</b> (810 Maw)							3 4
face powder	97	0	26 8	Tuffy Tail pads				<b>Movex</b> (16 AGL)			
face shaper	59	0	16 3	standard (25)	47	2	—	cine camera			
glow tone	85	0	23 4½	Simpla set	13	6ea	8ea	auto outfit S small			599 6
lipstick	59	0	16 3					large			714 0
mascara block	66	0	18 2	<b>Max Factor</b> (813 MF)				outfit SV			904 5
tinted foundation	66	0	18 2	Shadow Fling	119	4	31 2	<b>Mr. Nicol</b> (1466 Nichol)			
anti-acne facial pack, cream & lotion				<b>Mebadin</b> (518 Glaxo)			17 6	hair spray for men	24	3	6 8
Beauty Touch compact & refill				<b>Medihaler-bron</b> (1061 Riker) †			13 6				3 11
blood congealed 701				2½ dose	9	0ea	—	<b>Muguet des Bois</b> (301 Coty)			
cream eyeshadow 281				<b>Medi-Swabs</b> (H) (972 Pharmax)				dusting powder			
eye cosmetic & brush 606				10×100	71	0	—	de luxe	348	152	9
eyeliner 296				<b>Medrone</b> (1263 Upjohn) TS				talcum	357	39	0
kamera klear base 350 & 351				Modules 4mgm	100	102	9ea				10 6
night cream patti 253				tablets 4mgm	100	102	9ea	<b>Mum</b> (172 BMCL) existing entry			5 9
poudri de luxe 100				<b>Megaclor</b> (972 Pharmax) TS				<b>Mum</b> (172 BMCL)			
spirit gum substitute 1065				syrup	60mils	5	0ea	aerosol spray	3oz	47	3
vitamin skin food 222				<b>Meggeson</b> (994 P & M)			7 6	4½oz	58	3	12 4
<b>Lentheric</b> (753 Lentheric)				<b>Meggeson</b> (832 MWV)				32cc	25	3	15 3
12 eau de toilette				<b>Meggezones</b> (994 P & M)				65cc	42	8	6 7
2oz	—	—	42 0	<b>Metamsustac</b> (972 Pharmax) †s4B				18gm	16	2	11 2
4oz	—	—	77 6	tablets 15 mgm	30	4	10½ea	deodorant stick	19	10	5 2
8oz	—	—	122 6	<b>Metastab</b> (147 Boots) TS			6 6	lotion	22	9	5 11
spray	—	—	78 9	tablets	100	102	9ea	perfumed Rollette	35	5	9 3
refill	—	—	52 6	<b>Metrolen-M</b> (1121 Searle) †s4B			137 0	refill	28	5	7 5
perfume	½oz	—	70 0	tablets	21	—	—	Rollette for men	35	3	9 3
	½oz	—	107 6		20	—	—	refill	29	5	7 8
	1oz	—	168 0	<b>Midnight</b> (385 DG)				stick for men	21gm	23	11
atomiser	—	—	63 0	perfume aerosol	54cc	107	0		84gm	55	1
refill	—	—	50 0				29 0	<b>Mycozol</b> (938 PD)			6 3
<b>Leon's</b> (1538 Marcos)				<b>Milton</b> (849 M)			16 9	tube			7 6
black satin	—	—	5 3	antiseptic	80oz	13	2ea	<b>Myco</b> (667 JCL)			
hair grower	—	—	4 9	sterilising unit	7	7ea	4ea	films (6)			8 8
	—	—	7 9	old pack				<b>Nappy Change</b> (1413 P & S)			
double strength	—	—	4 9	<b>Mimospray</b> (1413 P & S)				(distributors 1545 Vestric)			
Khus-Khus pomade	—	—	7 9	(distributors 1545 Vestric)				aerosol foam	6oz	40	0
Lady Gilo	—	—	7 9	<b>Minims</b> (1154 SNP)				<b>Neo-Endrine</b> (1352 Wyeth) †s4B			
hair dye	—	—	7 9	amethocaine				spray	15mils	40	0
hair grower	—	—	7 9	hydrochlor†				<b>Nidrin</b> (1154 SNP)	48	0	12 0
	—	—	7 9	0.5%	100	65	0ea	<b>Niegeloh</b> (580 DH & Co.)			
Marvel hair dye	—	—	7 9	fluorescein sodium				cuticle clippers			
hair grower	—	—	7 9	2%	100	65	0ea	N18			
	—	—	7 9	ephedrine				N18	140	0	38 6
<b>LIF</b> (475 FG)				hydrochlor†5%20	14	0ea	21 0	N19	152	0	41 9
perfumes				<b>Minnims</b> (1568 Trentham)				eyelash tweezers			
sheath of muguet				tablets	100	21	0	automatic	N17	109	0
466 box of 12	26	4	7 3	<b>Minolta</b> (667 JCL)			2 6	nail files with handle			
volubilis 363				cameras 35 mm				carded (6)	N16	24	6ea
fontaine murale	box of 4	25	10	A5-S			636 9	<b>Nita</b> (888 Newey)			
357 box of 4	30	0	8 3	AL-F			759 6	ring slides	6	8	1 10
colliers 220	box of 6	28	8	Electro-Shot			999 6	<b>Nivea</b> (1164 SSL)			
diabolos 331	box of 4	28	8	Hi-Matic 75			999 6	creme	363	41	2
clematites 355	box of 4	23	6	Hi-Matic 9			1199 6	polythene jar	366	39	5
fer forge 336	box of 4	30	0	Repo S			598 11	creme powder	367	58	4
chevelets B339	box of 4	30	0	cameras 2½in square				deep cleansing milk	39	3	10 10
	box of 4	30	0	Autocord			1171 11	lipstick dew-kiss	23	2	6 5
<b>Lillies of the Valley in Bloom</b> (981 Picot)				CdS			1447 7	liquid creme	36	5	10 10
perfume	½oz	80	6	cameras cine 8mm				foundation	43	2	11 10
<b>Limmits</b> (1552 UL)				Autopak 8-S3			1331 3	<b>Nobecutane</b> 364 (DF)			
pastilles	112	6	—	8-K3			1599 6	50 mil pack			
chocolate peppermint				8-K7			2199 6	<b>Norvic</b> (902 Norvic) existing entry			
cream	22	0	3 8	8-K11			2763 6	<b>Norvic</b> (902 Norvic)			
<b>Lisette</b> (1000 PPL)				cameras instant load				electric blankets			
<b>Lisette</b> (1412 Jackel)				16-11			364 0	Carnation quilt			
<b>Livogen</b> (179 BDH)				16-PS			249 5	60×30			93 5
<b>Lobron</b> (994 P & M)				16-MG kit			840 0	60×48			133 1
<b>Lobron</b> (832 MWV)				Autopak 700			799 6	60×28			91 6
<b>Lorilu</b> (1440 ILL)				cameras S.L.R.			1399 6	60×48			126 0
foundation mousse	11	4ea	3 1½ea	SRIV f2 lens			1799 6	60×28			97 2
<b>Loving Care</b> (265 Clairol)				SR7V f1-8 lens			2799 6	60×48			134 9
creme after rinse				SRT101 f1-4 lens			2399 6	Dahlia quilt	60×30		84 6
sachet	4	6	1 2	f1-7 lens				60×48			124 3
<b>Ma Griffe</b> (1469 PC)				existing camera entry				Heather quilt			
bath oil	4843	23	9ea	<b>Minoltina</b> 8 (667 JCL)			1673 10	economy	50×25		72 6
mousse douce	4811	14	3ea	<b>Minox</b> (673 J of H)			1886 0	standard	50×43		97 6
soap (3)	4851	12	0ea	camera B			1370 0	60×30			80 6
perfume	8044	—	—	black satin finish			800 0	60×48			114 6
				projector Minomat N				de-luxe	60×30		87 6
				Minotact				60×48			121 0
				<b>Misslyn</b> (1440 ILL)				low voltage quilt			
				nail varnish cream	37	0	10 2	60×30			214 9
				pearl	51	0	14 0	60×48			295 6
				Demipearl	46	0	12 8	heating pad	60×12		71 0



Novobiocin (147 Boots) TS tablets 250mgm 16 34 5ea 100 180 0	—	—	51 7½ 270 0		Pitressin (938 PD) †54B tannote in oil 1ml 10 160 0	—	20 0		Restograi (203 Brynn) hair tonic 111 0 30 6 15 6
N.P.U. (810 Maw) vacuum Nu-flask	23oz 63 0 1lb 15 3	7 6 —	8 6 1 9		Placodin (187 BS) tablets Plus (1565 P. Plus) cine cameras Plusmatic Super 8S Super Z20	— —	399 0 599 9		Revlon (1052 Revlon) Blondsilk Colour Silk † Ultrasilk
Nuderm (751 LL) gel	24 2	6 8	3 7		Plus-Prin (115 Bengue) Polaroid (989 Polaroid) sunglasses 700, 701 204	— —	— —		Richard Henry (295 CM & R) hair sprays
Nu-Rub (810 Maw) Nu-soft (810 Maw) kitchen roll	15 5 13 6	4 2 —	2 3 1 6		Poly (721 LC) Spray Silk aerosol 6oz	— —	— —		Riddohaler (1059 Riddell) disposable inhaler
Old Spice (1131 Shulton) hair groom hair groom lime suntan lotion cream clear	37 6 54 0 48 6 57 3	10 1 14 6 13 4 15 9	5 10 0 5 7 5 8 8		Polyherb (721 LC) shampoo sachet bottle	— —	50 0 33 0		Right Guard (514 Gillette) deodorant squeeze pack 32cc
Olva (76 Atkinson) Omega (1178 Stafford) † oil liniment 1½oz 4oz 30 0	12 9 30 0	3 6 8 3	1 10 4 1		Pomade Divine (210 B & C) 25 0	— —	— —		Rinthead (994 P & M) Rinthead (832 MWV)
Omnivite Forte (1285 Vitamins) tablets	100 15 0ea	—	22 6		Ponds (256 CPL) cold cream jar 42gm	— —	— —		Robe d'un Soir (1469 PC) bath oil 4943 talcum powder 4911 perfume 9047
Optima (16 AGL) cameras Rapid 250V	—	—	731 10		Pond's (256 CPL) dry skin cream jar 42gm	— —	— —		Roberts (1068 Roberts) zinc and castor oil cream 1oz 2oz 12 7 4oz 19 6
Optone (690 Keldon) eye drops large	41 2	11 1	5 6		Portia (1160 Solport) foundation cream jar 42gm	— —	— —		Robinson's (285 Colman) baby rice cereal 6oz instant foods for baby
Optrex (690 Keldon) eye lotion small large	26 3 37 5	7 0 10 1	3 6 5 0		Portia (1160 Solport) baby balances outfits 56 0 110 0	— —	— —		Robinson's (285 Colman) mixed cereal 8oz ready cooked groats 8oz
Orabase (1176 Squibb) paste 5gm	19 0	5 0	2 10		Portia (1160 Solport) iodine brushes loose 3 0 carded 3 8	— —	— —		Ronson (1079 Ronson) automatic tooth- brush rechargeable model 148
Ora-jel (1141 Simpkin) Orajel (1141 Simpkin) Orlane (1145 Sirex) anti-rides 756 757 536	— — —	— — —	39 0 75 6 19 6		Portia (1160 Solport) plastic nipple shields tincture and lotion brushes duck size 3 2 favelon 4 3 goose size 5 3 pumice stone 6 9	— — — —	— — — —		Ronson (1079 Ronson) electric razors model 21 200 96 K-type 107 M-type 120 Tiara 95
Orabase (1176 Squibb) paste 5gm	19 0	5 0	2 10		Portia (1160 Solport) pumice stone styptic pencils carded 3" labelled & cello wrapped D1660C 3 6 D1663C 5 0 D1666C 7 3	— — — — —	— — — — —		Rose Laird (1083 RL) scalp and skin lotion F35
Ora-jel (1141 Simpkin) Orajel (1141 Simpkin) Orlane (1145 Sirex) anti-rides 756 757 536	— — —	— — —	39 0 75 6 19 6		Presence (Houbigant (I Abbey)) eau de toilette 127-24 —	— —	— —		R.T.U. (203 Brynn) warfarin 10 0 24 0 64 0
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Pretty Feet (1113 S & B) existing entry bottle 50cc 34 1 roll ball applicator 55cc 37 10	— —	— —		Rugard (1169 GS & S) eyeliner brush 96 0 40 0
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Pristacin (623 HP) pieces 144 Propaderm-C (34 A & H) TS cream 15gm 8 4ea 50gm 21 4ea ointment 15gm 8 4ea 50gm 21 4ea	— — — —	— — — —		Sanoide (339 CG) first aid cream 12 0
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Purapen G (1393 BRL) TS vial 500,000 units 1 6ea 1 mega 2 3ea	— —	— —		Sasorabia (1538 Marcos) perfume —
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Q-Tips (256 CPL) cotton swabs 300 22 0	—	—		Sauna (957 Perl) Original Finnish soap 30 0
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Queen (151 Boutalls) foundation cream 38 0	—	—		Scherk (957 Perl) face lotion 50cc 44 0 100cc 78 0 250cc 142 0
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Radiol (1023 Radiol) 4-oils 10oz 105 0	— —	— —		Sea Witch (412 Elida) † Secondal (413 Lilly) †1s4A Sodium Enseals 100mgm 100 8 4ea — 12 6
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Rand (1540 SDR) automatic tooth brush home kit 20 8ea travel kit 16 8ea	— —	— —		Pulvules 50mgm 100 4 7ea 500 19 9ea — 29 7
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Redi-Splint (938 PD) hand and wrist 30 2ea half arm 39 0ea full arm 45 7ea foot and ankle 45 7ea half leg 60 4ea full leg 66 6ea athletic (full leg) 80 9ea emergency kit 283 1ea	— — — — — — — —	— — — — — — — —		100mgm 100 6 10ea 500 31 11ea 5000 305 11ea — 458 10
Ortho-dienoestrol (922 Ortho) †54B cream with applicator 88 0 tube only 68 0 pessaries 15 72 0	— — —	— — —	11 0 8 6 9 0		Regula (980 Photopia) cameras Olympatic 1A — Sprinty C — case — Sprinty BC — flash unit variant F — variant FS — cameras Rapid SE Rapid SL Sprintomatic	— —			

D	Simbix (173 Britanol)				wide neck 8oz				Thermoset (1228 TAL)			
	diet biscuits				IC61 43 6				electric blankets			
I	diet biscuits (bacon grill, cheese crackers, cheese and apple, chocolate wafer chocolate/lime creams, custard creams, farmhouse grill, jaffa cakes, lemon wafer)				complete with Suba Clear teat narrow neck 8oz IC62 45 6				Regent 48x26			
	42 9				wide neck 8oz IC63 51 6				48x44			
D	Sketch (Molinar (960 ADP))				breast reliever IC3 75 4				Everest 50x26			
	perfume 2704 62 6ea 16 10ea 117 6				enema IC16 84 0				50x44			
I	presentation 2507 25 6ea 6 10ea 47 6				hot water bottles Suba-Royal 68 0				Cozee 62x26			
	2506 38 6ea 10 4ea 73 6				Suba-Line 68 0				62x50			
D	2505 60 6ea 16 3ea 112 6				Bara Royal 68 0				all-night Ambassador 28/30x62			
	2504 95 6ea 25 7ea 175 0				soother all rubber IC53 8 8				54/56x62			
I	concreta boule 9 10ea 2 8ea 17 9				syringe whirling 8oz 115 3				over-blankets all-night New Era 80x80			
	Skol (1113 5 & B) sun tan cream 33 7				teething trainer rubber IC38 10 0				D Throaties (64 AW)			
D	Slim Disks (1568 Trentham) 100 100 0				polystyrene 5A3 8 0				Throaties (64 ACL)			
	Smokies (994 P & M)				silicone IC52 34 0				Tiny (888 Newey) ring slides 3 7			
I	Smokies (832 MW)				Suede (981 Picot) perfume 1/2oz 92 6				D Topnote (1157 S) bobby rollers			
	Snaplock (888 Newey) nappy pins (3) 7 10				Sulphamagna (1352 Wyeth) ts4B suspension (vet.) 12oz 11 3ea				D flexi rollers			
D	mini Snaplock 9 10				Suscandia (972 Pharmax) ampoules 6 8 9ea				D Top Score (147 Boots) existing entry			
	Sodium Amytal (413 Lilly) ts4A ampoules 125mgm 6 12 1ea				Suscovax (208 BW) vaccine (vet.) 25 dose				I Top Score (751 LL) hand care 30cc 14 2			
I	250mgm single 2 2ea				Sweetex (751 LL) liquid 1oz 22 6				30cc 19 9			
	500mgm single 3 3ea				powder 1lb 81 0				115cc 32 1			
D	Pulvules 60mgm 100 4 2ea				tablets 100 9 0				Tosca (1113 5 & B) bath cubes 9116 34 3			
	500 19 9ea				200 15 9				eau de Cologne aerosol 1185 133 9			
I	200mgm 100 8 8ea				200 33 9				Tri-Adcortyl (1176 Squibb) ointment 5mg			
	500 41 7ea				Syrtsussar (61 APC) syrup 4oz 5 0ea				D Trioxin-T (203 BW) vaccine (vet.) 100mils			
D	500 402 2ea				40 oz 36 0ea				Trombovar (93 BJ) ampoules 2cc 3%			
	tablets 60mgm 100 3 8ea				Tabloid (203 BW) quinidine sulphate 0.2gm 100 42 8ea				10 32 5ea			
I	500 28 9ea				Tanderil (501 Geigy) ts4B suppositories 5 9 2ea				31 2ea			
	5000 141 7ea				Taylor of London (1541 T of L) existing entry				12 374 0ea			
D	200mgm 100 6 3ea				I Taylor of London (1541 T of L) bath essence 2oz 12 0ea				TS			
	500 54 3ea				bath oil 4oz 22 6ea				ointment 50gm 20 2ea			
I	5000 268 7ea				10oz 42 0ea				50gm 19 2ea			
	Softella (810 Maw) mini briefs 52 0				1oz 13 6ea				Ultralanum (1479SCL) TS			
D	sanitary briefs 47 0				3oz 11 0ea				50gm 20 2ea			
	Sparklets (183 BOC) syphons				3oz 18 6ea				plain 50gm 19 2ea			
I	Hostmaster 54 9ea				1oz 32 6ea				Urovision (1479 SCL) ampoules 25mils 5			
	bulbs C 55 2				3oz 35 6ea				25mils 20 152 0ea			
D	Sporostacin (922 Ortho) pessaries 15 84 0				1oz 35 6ea				50mils 5 72 1ea			
	Starset (1188 Sterner) 44 0				3oz 35 6ea				50mils 20 273 3ea			
I	Staydry (1594 Bannen) baby pants 47 3				1oz 35 6ea				Vaseline (256 CPL) shampoo			
	Stelazine (1153 SKF) ts4B ampoules 1mgm 1mil 17 1				3oz 35 6ea				cream bottle 70gm 21 5			
D	concentrate 444 0				1oz 35 6ea				123gm 31 1			
	5panules capsules 2mgm 300 10ea				Country Garden Blue or Green 21 0ea				8 6 1/2			
I	10mgm 100 43 1ea				Jasper 47 6ea				5 11			
	15mgm 100 64 7ea				Blue Jasper Bowl 70 0ea				8 6 1/2			
D	syrup 8oz 7 10ea				1oz 7 0ea				21 5			
	tablets 1mgm 100 15 6ea				2oz 7 0ea				8 6 1/2			
I	1000 138 8ea				4oz 10 0ea				21 5			
	5mgm 100 21 7ea				8oz 15 6ea				8 6 1/2			
D	Steradent (1037 Reckitt) powder small 14 5				10ea 2 11ea 18 6				V-Cil-K (413 Lilly) tablets 60mgm 100			
	medium 24 3				3oz 5 0ea				sheep sponge 20 133 4ea			
I	economy 33 2				1oz 5 0ea				50			
	tablets 17 16 1				2oz 9 9ea				Vital (76 Atkinson) Vitapointe (1530 Fisons) hair conditioner 17 6			
D	26 23 7				4oz 17 6ea				26 4			
	Stera-Fix (1037 Reckitt) small 18 0				10ea 35 0ea				4 9 1/2			
I	large 31 6				for men after shave 4oz 14 6ea				7 3			
	Stergene (382 Domestos) handy pack 9 9				Cologne for men 4oz 18 6ea				1 8 1/2			
D	(3doz)				eau de Cologne 4oz 10 6ea				5 11			
	Strenol (1418 Strenol) skin (eczema) cream (vet.) 35gm 26 4				eau de Portugal 4oz 10 6ea				3 0			
I	1oz				Florida water 4oz 10 6ea				Vitamin (Grossmann (163 Bramwell)) effervescent tablets 10 78 0			
	Suba-Seal (479 WF) baby feeders boilable plastic complete with silicone teat narrow neck 8oz IC60 39 6				lavender water 4oz 10 6ea				9 9			
D	Teak (1131 Shulton) hair friction soap single 95 9				Teatcote (649 ICI) teat spray/dip (vet.) 1gall 19 6ea				D Warricks (994 P & M) Warricks (832 MW) Wellcome (208 BW) milk ring test (vet.) VPO 100			
	Tenormal (649 ICI) tablets The Blue Train (981 Picot) perfume 1/2oz 80 6				25 8 14 6				5 30 0			
I	Thermostet (1228 TAL) electric blankets Regent 48x26				15 11 9 0				ergometrine maleate ts4B 0.5mgm/lcc 5 30 0			
	48x44				pethidine hyd. inject. ts1DD 100mgm/2cc 5 26 0				10			

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ORRIDGE &amp; CO.

CHEMISTS' STOCKTAKERS  
184 STRAND LONDON WC2. 01-836 9212/3



# antisol

## ANTI-SMOKING AEROSOL

(0.25 % lobeline hydrochloride aerosol)

### IS A WELL-TOLERATED PRESENTATION OF LOBELINE ACHIEVING OPTIMAL NICOTINE SUBSTITUTION

DISTRIBUTORS:  **VESTRIC LTD.**

pregnant mares' serum	1500iu (vet.) VPO	—	—	16	0
Williams (1113 S & B)					
Williams (1524 Chembro)					
Wiz Set (888 Newey)					
heated hair rollers	(8)	7	4ea	2	2ea 13 6
Xerumenex (878 Napp)					
ear drops	12mils	72	0	19	108 9
Yardley (1355 Yardley)					
eyelighter	85	0	23	4½	12 7

face base	46	0	12	7½	6	10
face finish	44	0	12	1½	6	7
face kit brush	25	0	6	10½	3	9
liplighter	85	0	23	4½	12	7
lipstick Sukipearl	568	42	0	11	6½	6 3
Yeast-Plus (447 PF)						
extra energy tablets	50	35	0	—	4	6
D Yestamin (422 EG) existing entry						
I Yestamin (422 EG) powder	8oz	35	9	—	4	3
	16oz	52	6	—	6	3
	7lb	21	2ea	—	30	3

tablets	14lb	39	11ea	—	57	0
	50	16	6	—	1	11
	100	23	0	—	2	8
	300	50	6	—	6	0
	1000	6	3ea	—	9	0
	2500	15	9ea	—	22	6
	5000	30	0ea	—	42	9
	18000	87	0ea	—	124	0
Zam-Buk (1530 Fisons)						
ointment family	61	8	16	11½	8	2
D Zipcillin-PS (208 BW) T5 injection (vet.)	(12)	—	—	—	16	0

## THIS WEEK'S CHANGES

Prices are given in the sequence Trade Price per Doz.; Purchase Tax per Doz.; Retail Price. Bold upright figures (2 9) in the retail price column indicate that the price is subject to resale price maintenance; italic figures (2 9) that it is recommended by the manufacturers; and light upright figures (2 9) that it is "notional" as a guide to the retailer in determining his own retail price.

4711 (113 S & B)					
eau de Cologne					
atomiser No. 9810	152	0	42	0	22 6
André Philippe (48 AP)					
bubble bath	6	19	6	5	4 2 11
twist bottle	16	4	11ea	—	7 5
Berkmycen (117 BPL) T5 tablets	100	28	0ea	—	42 0
	1000	248	4ea	—	372 0
Brands (1221 Thawpit)					
calf's foot jelly	10½oz	29	11	—	3 2
essence of beef	2½oz	37	2	—	4 0
Cupal (333 Cupal)					
baby chest rub	1oz	16	9	4	2 2 6
cherry bark cough syrup	3oz	18	3	4	6 2 9
	6oz	28	9	7	1 4 6
glycerine, lemon and honey					
syrup	3oz	14	1	—	—
	6oz	25	9	—	—
menthol and wintergreen					
cream tube	21	9	5	4	3 3
mouth ulcer tablets†	15	17	6	—	2 6
pastilles Gee's linctus †DDI					
tin	2oz	16	6	—	2 0
Dropletan (922 Ortho) †s4B tablets	2.5mgm	50	12	8ea	19 0
	10mgm	50	35	0ea	52 6
Flurex (333 Cupal)	26	3	6	6	3 6
Fruliger (333 Cupal)					
Giviemme (1279 V of M)					
deodorant stick	232	—	—	10	6
spray	240	—	—	14	6
Helena Rubinstein (596 HR)					
Herbessence					
beauty bath	—	—	—	25	0
body smooth	—	—	—	25	0
Ilford (645 Ilford)					
films black and white					
Selochrome 127, 120, 620	28	8	8	0	4 3
twin pack	54	0	15	0	8 0
instant cartridge	32	0	9	0	4 9

rapid cassette (12)	35	0	10	0	5	0
FP3. 127, 120, 620	28	8	8	0	4	3
HP3. 127, 120, 620	31	3	9	0	4	8
HP4. 127, 120	32	0	9	0	4	11
HP5. 127, 120, 620	36	9	10	0	5	5
miniature film						
135-20	44	9	12	0	6	4
135-36	58	0	16	0	8	3
935	34	3	9	0	4	10
5metres	7	8ea	2	1ea	13	0
17metres	22	9ea	6	3ea	38	9
A papers single weight						
2½ × 3½	100	5	0ea	1	5ea	8 11
3½ × 4½	100	7	8ea	2	1ea	13 7
3½ × 5½	25	3	0ea	10ea	5	4
	100	9	2ea	2	6ea	16 3
4½ × 6½	25	4	4ea	1	2ea	7 8
	100	14	0ea	3	10ea	24 10
6½ × 8½	25	7	4ea	2	0ea	13 0
	100	24	10ea	6	7ea	42 7
double weight						
3½ × 4½	100	9	0ea	2	6ea	16 0
3½ × 5½	25	3	6ea	1	0ea	6 3
	100	10	10ea	3	0ea	19 3
4½ × 6½	25	5	0ea	1	5ea	8 11
	100	16	6ea	4	6ea	29 3
6½ × 8½	25	8	6ea	2	4ea	15 1
	100	28	4ea	7	10ea	50 4
8 × 10	10	5	4ea	1	6ea	9 6
	100	40	8ea	11	2ea	72 2
10 × 12	10	7	8ea	2	1ea	13 7
	100	60	4ea	16	7ea	107 1

A = Price Advanced  
R = Price reduced  
• = New entry  
D = Delete  
C = Correction  
/ = Insert

12 × 15	10	11	4ea	3	1ea	20 1
	100	89	10ea	24	8ea	159 5
16 × 20	10	19	10ea	5	5ea	35 2
	100	158	10ea	43	8ea	281 11
chemicals						
• Bromophen 1 litre	40	0	—	—	5	0
• Ilofix 1 litre	26	0	—	—	3	3
D developers PFP, ID-20, ID-36						
D fixer IF-2						
• Kaogel (938 PD)						
suspension 150mils	44	0	12	0	6	6
360mils	80	0	22	0	11	10
A Meltus (333 Cupal)						
adult cough mixture	4oz	25	0	6	2	3 6
	8oz	41	0	10	2	5 6
junior	3oz	22	9	5	7	3 0
	6oz	35	3	8	9	4 9
A Parke-Davis (938 PD)						
shaving cream tube	24	0	6	7½	3	6½
brushless tube	24	0	6	7½	3	6½
Riddofan (1959 Riddell)						
pocket inhaler with plastic purse	156	7	—	—	21	9
purse only	26	5	—	—	3	8
A Sylvia (339 CG)						
maternity pads	43	3	—	—	4	11
sanitary towels						
size 0	23	6	—	—	2	6
size 1	25	9	—	—	2	9
	13	3	—	—	1	5
size 2	30	6	—	—	3	3
size 3	37	6	—	—	4	0
Tosca (113 S & B)						
• perfume spray 3007	118	4	32	6	17	6
I Triperidol (922 Ortho) †s4B tablets	0.5mgm	100	25	0ea	37	6
	500	112	6ea	—	168	9
	50	16	3ea	—	24	4½
	250	75	0ea	—	112	6
A Tyrocane (333 Cupal)						
antiseptic lozenges†	15	17	6	—	2	6
I Victor (1279 V of M)						
bath foam	230	—	—	—	9	9
	228	—	—	—	12	6
	231	—	—	—	25	0
deodorant aerosol	190	—	—	—	11	9

# Oxymycin

**Oxytetracycline**  
the full range:  
Syrup, Tablets  
and Capsules

Chelsea Drug & Chemical Co. Ltd. 310 Old Brompton Rd., London SW5

# 'Can you do something for my streaming cold?'

**Cold sufferers will again be asking your professional advice throughout the coming winter.**

**Again you can be confident in recommending **CONTAC<sup>400</sup>\*****

**Continuous control** of cold symptoms is made possible by the "time pill" action of 'Contac 400'. A running nose, stuffed-up nose and sneezes are held in check for up to 12 hours at a time. In each 'Contac' capsule, more than 400 "time pills" with varying thicknesses of permeable coating, release medication into the blood-stream and maintain an optimum therapeutic level, hour after hour throughout the day.

**Simplicity of treatment** 'Contac 400'—one for the day, and one at night—means that the cold sufferer is getting exactly the treatment you have recommended. Errors of forgetfulness which can result from medication which has to be taken more frequently . . . errors of lapsed treatment or overlapping dosage, are virtually eliminated.

**Promotional support** during the last cold season created even greater consumer awareness of 'Contac 400'; this plus your efforts has

made 'Contac 400' the most successful cold capsule in the UK. A new heavy promotional campaign is soon to begin which will be seen by 90% of the population of Britain. Advantageous rates make 'Contac 400' very profitable to you. Make sure of your share in its success in the coming cold season by ordering now.

## CONTAC<sup>400</sup>

THE NEW CONCEPT IN COLD RELIEF





**1 CAPSULE EVERY 12 HOURS**

Contac 400 is an entirely new concept in cold relief—a continuous-action nasal decongestant. Over 400 tiny "time pills" in each capsule act continuously for 12 hours. Contac 400 dries up a runny nose, clears a stuffed up nose, stops sneezes, restores clear and natural breathing.

12 CONTINUOUS ACTION COLD CAPSULES

MENLEY & JAMES LABORATORIES, WELWYN GARDEN CITY, HERTS.

*\*Contac 400 is a trade mark*



# cond pictures ave you got to sell?

**You've got a remarkably precise photometer.** An ingenious photometer built into the viewfinder reads YES when the exposure is right. The photographer just twists a little knob until he gets the brightest, clearest YES. Then he knows the exposure is perfect. He presses down on the knob . . . and he's got his picture. His eye never leaves the viewfinder. The photometer isn't just talkative, it's as accurate as one costing far more. Yet Polaroid has been able to build it into this inexpensive camera.

**You've got a shutter speed of 1/200 second.** The Swinger can freeze action. Indoors and out. Because it uses Polaroid's famous 3000 speed black and white film, it's able to have a single shutter speed of 1/200 second. Amazingly high for a simple camera. The Swinger won't stop a bullet in mid-flight, but it will freeze a high diver in mid-air. And it's difficult to blur a picture even if the camera shakes or the subject moves.

**You've got an extremely small aperture.** Pictures taken in bright sunlight have an amazing depth of field, from portraits as close as two feet all the way to infinity. There's no focusing to worry about. The 3000 speed film makes it possible.

**You've got an unusually good lens for a camera this price.** The small aperture requires only a simple lens system so Polaroid was able to put the money into quality.

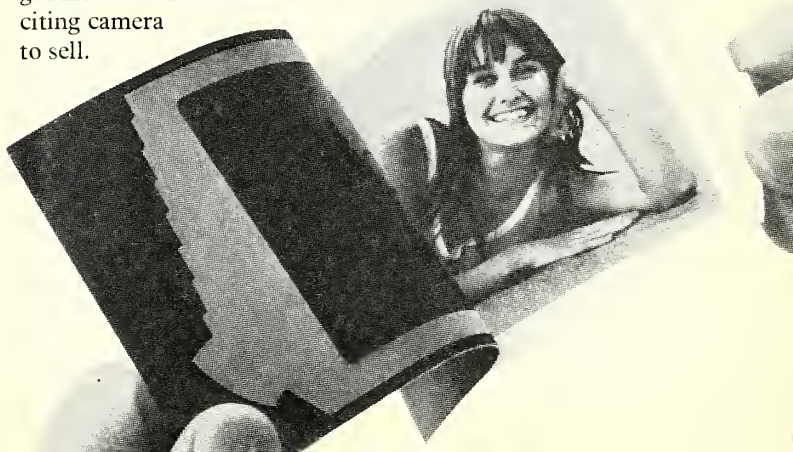
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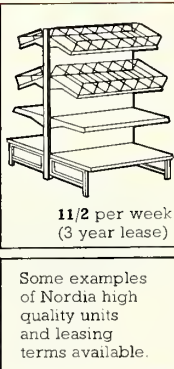
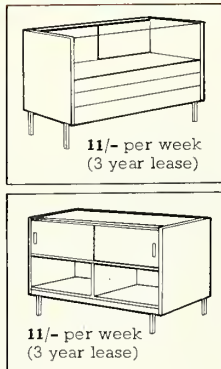
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## Redevelopment and Rateable Value

HAVING regard to the extensive development projects such as road widening schemes and the like of Government departments, local and statutory authorities, and other similar bodies, the question whether in making rating assessments account may be taken of development, road-widening and similar schemes of Government departments, local and statutory authorities, was tested in a case recently before the Court of Appeal, London: *Almond (Valuation Officer) v Ash Brothers and Heaton, Ltd.* In a road-widening scheme involving the demolition of part of a building no definite time was fixed for the demolition but there was a strong probability that it would take place within about a year. Did that call for a reduction in the rating valuation of the property?

The Court held that the scheme was an important factor which could affect the mind of a tenant, and that the reduction made in the rating assessment by the Lands Tribunal could not be challenged. The decision does not mean in practice that, because a development plan is made by a local authority in relation to its area, everyone whose property would be adversely effected by its execution would be entitled to a reduction in the rating assessment of property affected.

For rating purposes the yearly rent which a hypothetical tenant would give for the premises is determined having regard to all relevant matters affecting the state and condition of the property and the surrounding circumstances. It is necessary to go further and take into account of all factors that may reasonably influence the judgment of an intending occupier, including any statutory provisions, affecting the property, that may tend either to enhance or diminish the value of the beneficial occupation of the property or its profit-earning capacity.

The hypothetical tenant to be considered for rating purposes is of course a yearly tenant, and the interest of a yearly tenant continues indefinitely and without any limit of time, until the interest is brought to an end by notice to quit served by either party, or in some other way (as by the premature surrender of the tenancy by the yearly tenant or its termination by the landlord on grounds of breach of covenant by the tenant).

The hypothetical tenant, however, who would take a yearly tenancy of property liable to be demolished within a comparatively short space of time (a year or two years) would have regard to the possibility of his tenancy being determined by the service of a notice to quit in the near future, and of the inconvenience and

disturbance and loss that would in consequence arise after the expiry of a comparatively short interval of time.

From a practical point of view, the mere fact that the property was, as it were, "blighted" by a development scheme would not be an influencing factor on the mind of a prospective yearly tenant until the time approached when there was a reasonable probability that the scheme was about to be executed.

The Court of Appeal did not shrink from the possibility that their decision might have the consequence that, whenever there was a scheme involving the demolition of a property the rateable value of the affected property should be gradually reduced, as the date of demolition approached. From a practical point of view, however, it recognised that a valuation was not likely to be challenged or even varied until the time had been reached at which the demolition was likely to take place in the very near future.

## NEW BOOKS

### American Drug Index, 1967

C. O. WILSON, Ph.D. and T. E. JONES, Ph.D. *J. B. Lippincott Co.*, Philadelphia, U.S.A. and *Pitman Medical Publishing Co.*, 46 Charlotte Street, London, W.1. 8½ x 5½ in. Pp. x + 785. 60s.

THE new edition is brought up to date to include products introduced since publication of the previous edition. Listed alphabetically, the index includes generic and brand names and official and non-official titles, with adequate cross references to drug combinations to enable brand names to be ascertained when only a major ingredient is known. Entries under proprietary names give name of manufacturer, available forms, sizes, dosage and uses. The index includes a key giving the names and addresses of the manufacturers.

### British Instruments Directory and Data Handbook, 1967

*Scientific Instrument Manufacturers' Association, British Scientific Instrument Research Association and United Trade Press, Ltd.*, 9 Gough Square, Fleet Street, London, E.C.4. 11½ x 9 in. p. 578 + R 165. Seventh edition. 168s.

THREE new sections are included in this new edition. The first, section 5, is a bibliography of about 3,000 books devoted to the subject of electronics, components, computers and instrumentation. Section 11 gives concise particulars of courses of training and education in the United Kingdom in instrumentation measurement and automatic control, whilst section 12 gives a list of useful addresses for export purposes of commercial sections of embassies, chambers of commerce and trade organisations, both home and overseas. The directory which has been revised and expanded includes a measuring instruments survey and a list of trade names in addition to the classified list of instruments and components.

### Utilising R & D By-products

JEROME W. BLOOD (Editor). *American Management Association*. Agents: *Bailey Bros. & Swinfen, Ltd.*, 48 Upper Thames Street, London, E.C.4. 9½ x 6 in. Pp. 127. 68s.

THE book comprises sixteen articles by different authors. Each shows the importance of putting to use, by licensing or by diversification, all the discoveries that may come to light following any research programme. From any research and development (R. & D.) project there may or may not be discovered the answers that the research worker is seeking. At the same time other facts may come to light which, although of no consequence to the immediate project in hand, could be useful to someone else. That spare knowledge, aptly described by the Editor as "by-products" or "spin-off" technology may be dormant unless its commercial potential is recognised and exploited. Among the industrial companies represented in the book are Barnes-Hind Laboratories (a subsidiary of Barnes-Hind Pharmaceuticals, Inc.), Koppers Co., Inc., and Monsanto Research Corporation.



## HOSPITAL PHARMACY FORUM SPECIALIST ADVICE

By a HOSPITAL PHARMACIST

**H**OSPITAL pharmacists have been given a marginal increase in pay, but this time it is coupled (see *C. & D.*, August 5, p. 111) with "an immediate investigation into salary and career structure, including promotion prospects, need and facilities for post-graduate training, recruitment, training and use of supporting staff and the organisation of the hospital pharmaceutical service." Although no official announcement has been made, it is understood that a firm of management consultants is being retained for the investigation.

The terms of reference make it quite clear that the inquiry is intended to be a thoroughly comprehensive affair. Every facet of hospital pharmacy is to come under the microscope. The inclusion of "the organisation of the hospital pharmaceutical service" within the ambit of the investigation is particularly noteworthy because it indicates that the Ministry seems to be prepared to consider sweeping changes.

The large majority of hospital pharmacists will give a warm welcome to the proposal. For many years it has been only too obvious that the hospital pharmaceutical service was suffering from a chronic affliction that, in the absence of treatment, must eventually lead to its demise. The fact that the pharmaceutical industry is able to recruit all the pharmacists it requires at initial salaries not significantly higher than those paid in the hospital service makes it clear that the underlying cause of the disease is a good deal more complex than is generally believed. The patient is obviously in urgent need of examination and we must hope the investigation has not come too late for him to benefit from it.

The retention of management consultants to make the investigation is an idea which has much to commend it. The alternative—a team made up of equal numbers of hospital pharmacists and Ministry officials sitting under an independent chairman—would probably get nowhere in a very long time. Management consultants may know little about hospital pharmacy but they do at least know a great deal about what makes people "tick." More important still, they can be expected to come to the task without any preconceived ideas.

### *A Two-edged Weapon*

However, it would be prudent to bear in mind that an independent investigation is a two-edged weapon and in consequence we should prepare ourselves for some possible surprises. The first job of the investigating team will be to find out the facts, and in the hospital pharmaceutical service facts are notoriously difficult to come by. Take for instance the staffing position. Within the profession we believe quite sincerely that there is a shortage of pharmacists in the hospital service. It will not be difficult to show that many departments in all parts of the country are operating with a staff well below establishment, but that is likely to cut little ice with members of a team who have been trained in the technique of modern management. Management is the art of using staff efficiently, and it is therefore unlikely that the investigators will have much time for "who-does-what" disputes about the division of work between pharmacists and technicians. Hospital pharmacy has agreed to accept technicians, but in far too many hospitals those auxiliaries are still limited to the performance of dull repetitive tasks which, if properly organised, are well within the capacity of persons with little or no training. There is no point whatsoever in giving technicians instruction in human physiology and insisting that they should be familiar with the contents of the British National Formulary if they are never to be allowed to do any-

All this comes under the heading of "use of supporting staff," and it may be confidently assumed that the investigators will need some convincing that it is pharmacists rather than technicians who are in short supply. Perhaps the Ministry will draw their attention to a classified advertisement in the *C. & D.*, Supplement of August 5 for a pharmacy technician 1 who "may be required to work at times without direct supervision away from the main pharmacy." Clearly there are at least some hospital pharmacists with progressive ideas!

The team will also have to decide whether the existing organisation of the hospital pharmaceutical service into relatively small and virtually independent units makes for maximum efficiency. Most hospital management committees have now appointed a group pharmacist, but few indeed have given him the authority he needs if he is to integrate the pharmaceutical service on a group basis. In fact, he has a strong disincentive to carry integration to its logical conclusion, because in many situations that would mean a reduction in his salary! The team must be told about this piece of Ministerial stupidity.

Today it is becoming apparent that even the Group may be too small a unit on which to base a comprehensive pharmaceutical service and that, too, is something the investigators will have to take into account.

The team will clearly need to make on-the-spot investigations in order to see for themselves exactly what goes on. They will probably wish to talk not only to hospital pharmacists but also to senior members of the medical, nursing and administrative staffs, and to get their views about the function of the pharmacist and his place in the scheme of things. Little is likely to be accepted on trust. Members of the team will be trained observers who know how to get the information they want and how to detect attempts at evasion. Their job is to investigate the hospital pharmaceutical service in all its aspects. No holds appear to be barred, and we must therefore be prepared for a really thorough-going investigation. That, let us be quite sure, is not just another "Linstead" but an independent inquiry to which both sides have agreed. They are in consequence under some obligation to accept the findings. The patient is, at this late stage in his illness, to get specialist advice and treatment. He may or may not like his new medicine when it is eventually prescribed, but he will probably be forced to swallow it however nasty it may prove to be. We have been asking for a truly independent inquiry into the hospital pharmaceutical service for many years. Now we have got it.

### *A PHARMACIST'S ANTHOLOGY* **TEACHING BUDDING DOCTORS**

*From "We met at Barts" (Geoffrey Bourne, M.D.)*

THE classes of Langford Moore [chief pharmacist at Barts Hospital, London at the turn of the century], were chiefly of value in teaching the appearance of the various drugs in their simple forms, inculcating the lists of the preparations of each drug and pointing out such pitfalls as that the mixing together in one prescription of iron and tannic acid would make ink, or that if strychnine or arsenic were mixed with a substance that would precipitate them to the bottom of the bottle, the patient would be apt to drink in the last dose the whole quantity of poison in one fatal gulp. Large sheets of paper lay in front of each of us, with a broad margin ruled off to one side. "Now," he would say, "a little 'aside'," meaning the words of gold were to be inscribed in this margin. Senna "makes the costive Indian pass liquid stools." The first letter of the words of this dictum indicated the official preparations



of senna, mistura, tincture, confection, infusion, pill, liquor and syrup. Similar mnemonic value was to be found relative to quinine in the pronunciation. "Quinine stops the festive parasite." He would sometimes digress into the symptoms and the treatment of poisoning. "Opium poisoning," he would announce giving the "p" quadruple emphasis. "Pin-point pupils," and the rest of the picture followed. Regarding the treatment he added, "Stimulate!

Stimulate!" hissing the word with flashing eyes. "Walk the patient up and down. Slap him with cold towels. Pinch him. Give him hot coffee and hot blankets per rectum." How this latter feat was to be accomplished remained unexplained. . . . He died quite a wealthy man, and he would have been wealthier if, thinking to charge a guinea and a half for his tutorial class, he had not sent in to innumerable students bills for £1 10s. 6d.!

## FIGURES IN THE PHARMACEUTICAL WORLD

FIRST holder of the office of Pharmacist to the Ministry of Health and Social Services (Northern Ireland), Mr. N. C. Cooper, M.Sc., M.P.S.N.I., brings to his post qualities of imagination and drive and a passionate and enduring interest in education. Even now, despite the exigencies of his departmental duties, he is preparing a thesis for a Doctorate of Philosophy, Queen's University, Belfast.

Mr. Cooper's career up to the time of taking office would appear to be a uniquely appropriate training for his present responsibilities and opportunities. Born at Lurgan he gained his secondary education at Lurgan College on a county Armagh scholarship and in 1936 entered upon a pharmaceutical apprenticeship at the pharmacy of the late Mr. W. R. McNabb, a friend of his father. He qualified in 1940 in Belfast and went on to gain a B.Sc. (Pharmaceutics) with Honours at Queen's University, Belfast, and to gain a Stirling scholarship for research at the University. In 1942-43 he was engaged in research in organic chemistry while a part-time lecturer in chemistry at the pharmacy department, Belfast College of Technology. From 1943 to 1946 he was head of the science department at Portadown College, Northern Ireland and during that period (1944) presented a thesis in organic chemistry that gained for him his Master of Science degree at Queen's University. From 1946 to 1957 he was pharmacist to Lurgan and Portadown Hospital, a part-time post which he doubled with an association with the Windsor Pharmacy, Lurgan.

For seven years from 1959 he was a member of Council of the Pharmaceutical Society of Northern Ireland, finding scope for his interest in education as chairman, 1960-62, of the Council's Education Committee, though he proved himself no one-subject Council member by serving also on the Ethical and Law Committees. He has been closely concerned with the change of qualification route in Northern Ireland from a diploma to a degree course. Voted into vice-presidential office in 1962, he went on to two terms in the presidency (1963-64 and 1964-65). From 1959 to 1964 he was a member of the Statutory Committee (Northern Ireland). Since 1960 he has been a member of the Poisons Board (Northern Ireland) and from 1961 to 1966 he was a member of the Northern Ireland Hospitals Authority. He was recently elected a Fellow of the Royal Society of Medicine.

When, therefore, the decision was taken to appoint an official Northern Ireland Government Pharmacist, he was a "natural" for the post. He is responsible, by virtue of his office, for all the pharmaceutical work of the



MR. N. C. COOPER

Ministry at professional level, including advice on hospital pharmacies, on general pharmaceutical services and on other pharmaceutical matters.

The opportunities of the office are as wide and full of promise of rewarding scope as the current problems of pharmacy in the Six Counties are manifold and complicated. Retail pharmacies are diminishing in number and there is a growing pressure to establish health centres, in which it is important that the pharmacist should be given a proper status and adequate opportunities of collaboration with medical, dental and other professional colleagues. Mr. Cooper, able to draw on his own experience in retail and

hospital pharmacy, with recent experience upon and continuing contacts with the Council of the Pharmaceutical Society of Northern Ireland, has clear ideas of what should be pharmacy's route of development, and the tenacity and resilience to carry them through to fruition. Though Northern Ireland is, pharmaceutically speaking, a relatively small area of the United Kingdom, it may well become a centre of pharmaceutical advance domestically and a test area for developments worthy of being applied, if successful, to the rest of the United Kingdom. Certainly the situation will not remain static with Mr. Cooper in the right position to influence it for the better.



# FRIEDRICH STROMEYER

## Pharmacist who discovered cadmium

By M. SCHOFIELD, M.A., B.Sc., F.R.I.C.

IF one were asked to name a number of pharmacists who had contributed to the cause of chemistry, the reply might include Proust, Baumé, Vauquelin, Klaproth and Pelletier. Few would remember to include Friedrich Stromeyer, professor of pharmacy at Göttingen University and inspector-general of all Hanoverian apothecaries' shops. That German professor should be commemorated not only as pioneer in the teaching of practical chemistry (even before Liebig founded a laboratory course at Giessen in 1824). Stromeyer should also be remembered as the discoverer, 150 years ago, of cadmium, a metal invaluable today yet unrelated to pharmacy except in its *début* as an impurity in the official *zincum oxydatum*. Stromeyer, born on August 2, 1776, was the son of a professor and became a student of chemistry, pharmacy and botany at Göttingen University. He came under the influence of Johann Gmelin, noted as historian of chemistry and occupying the chemistry chair at Göttingen. Stromeyer benefited from such contacts with eminent chemists. He spent a period at the *École Polytechnique* under Vauquelin, and after later graduating in medicine at Göttingen went on his travels again to France to meet Fourcroy, Gay Lussac, Thenard and Dulong. When only twenty-eight years old Stromeyer had become so highly appreciated as lecturer on chemistry and pharmacy that Göttingen promoted him to the chemistry chair on the death of Gmelin in 1804. For thirty-one years Friedrich Stromeyer worked in the cause of teaching chemistry, in addition to his duties as adviser and inspector to pharmacy interests in Germany. He was, like Klaproth a brilliant analyst, especially of minerals. He maintained that chemistry could only be fully studied when laboratory practice was included along with lectures. Stromeyer's course at Göttingen, his *Privatissimis lectionibus Chemiae practicae curriculum* as it was christened, gained for the university an undoubted priority for laboratory instruction. It was a full practical course, rather than a provision of laboratory work for one or two students permitted to carry out pharmaceutical procedures — as at Marburg University, for example. Stromeyer seems to have had his peculiar technique or methods as expected in such an early endeavour. One hears of heating done with a naked flame rather than with the use of sandbaths; and of filtrations through a funnel held over a foot-high glass cylinder rather than by using filter stands. Yet the pioneer became noted for accuracy, for introducing practical work which in subsequent years was to prove one contribution to the discovery of about fifty new elements during the nineteenth century.

### Observation at a Pharmacy

It seems appropriate, therefore, that Stromeyer himself should have the discovery of one new element to his credit. In two papers published in 1819 in the *Annals of Philosophy* he described his work of just 150 years ago, when he added cadmium to the list of chemical elements. Stromeyer was inspecting pharmacies in the principality of Hildesheim as part of his duties as inspector general, when he noted an orange-yellow tint appearing in zinc-oxide stocks. The original zinc carbonate had come from a pharmaceutical firm at Salzgitter; hence Stromeyer went to that place to investigate. He was told by the manager of the pharmacy section that traces of iron were believed to be the cause of the discolouration. Stromeyer, however, foresaw that some unknown factor was the cause of the tint. He dissolved samples in dilute acid, precipitated what

should have been white zinc sulphide plus traces of black iron sulphide, yet obtained a yellow precipitate. After dissolving the mixed sulphide precipitate, he applied to the solution the fact that zinc carbonate dissolves in excess ammonium carbonate, only to find that the unknown impurity as carbonate did not dissolve. After calcining the unknown carbonate and reducing the oxide with lampblack, Stromeyer succeeded in preparing the first sample in history of a bluish-grey cadmium metal.

### Condemned Samples Studied

A larger sample or source of cadmium soon became available to Stromeyer for his study of its properties, for a number of apothecaries in the state of Magdeburg held samples of zinc produced in a Schönebeck works — samples condemned for conversion to zinc oxide since they were believed to contain arsenic. That idea was hardly expected, since orpiment or arsenic sulphide is also yellow. The impure zinc samples had brought anxiety to the proprietor of the pharmacy establishment at Schönebeck, since arsenic was ever a bogey in preparations. From the larger stocks of zinc available Stromeyer soon appreciated that his new element, and not arsenic, was the cause of consternation.

Stromeyer died in 1835 at his native Göttingen, worn out with all the academic and other duties he had taken on. He was honoured by universities and scientific societies in Göttingen, Berlin, Jena, Moscow and other centres. Yet how few remember his work in the cause of practical chemistry — apart from his discovery of one element.

## RECENT RESEARCH

### ASPIRIN LEVELS IN PLASMA

ASPIRIN may have an elimination half-life in plasma of about 13 — 19.5 minutes, workers at the school of pharmacy and department of medicine, University of California, have shown (*Nature*, 1967, II, 413). They have studied in four male subjects the plasma levels of acetylsalicylic acid and salicylic acid following an intravenous dose of 650 mgm. of acetylsalicylic acid as the N-methylglucamine salt. The half-life found indicates that the dose would nearly all be eliminated within two hours. Following oral administration of the same dose, a peak level was obtained at 15-20 minutes indicating that absorption is predominantly from the stomach. In some cases the half-life was prolonged in comparison with that of an intravenous dose which the authors attribute to continued absorption during the decline period of plasma levels. Comparison of the acetylsalicylic acid and salicylic acid curves showed that although the former compound is totally available after an oral dose, only a part of the intact drug reaches the tissues and circulating fluids. The explanation, it is suggested, is that hydrolysis to salicylic acid must occur either in the gastrointestinal fluids, across the gut wall, or during the first passage of the drug through the liver. Evidence indicates that liver clearance is important and suggests also that esterases may be present in the gut wall. There being evidence that acetylsalicylic acid is a more potent analgesic agent than salicylic acid, the authors say it is important to have a knowledge of the factors influencing the availability of acetylsalicylic acid, including route of administration and formulation of oral dosage forms.

### LESION PRODUCTION BY ASPIRIN

THE mechanism of lesion production by acetylsalicylic acid and its relationship to absorption and distribution has



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#### RESEARCH SUMMARY

Period: 3 years	Brushing Supervision: None
Panel: 657 schoolchildren	Measurement Technique:
Area: Kent	Annual Posterior Bite-
(a low fluoride area)	Wing X-rays
<b>RESULT: Significant reduction in carious surfaces</b> <b>(28.5% in proximal cavities of posterior teeth)</b>	

\* Slack, Berman, Martin and Young. Brit. Dent. J. 123, 9-16, July 1967.

The children were split into two test groups, one using Gibbs Fluoride, the other a non-fluoride toothpaste. The results after three years were most encouraging. They clearly indicated that regular brushing with a fluoride toothpaste can lead to a marked reduction in decay, the equivalent of more than one cavity per child over the period of the trial, and this must now be considered socially significant. Regular use of Gibbs Fluoride toothpaste in this country would mean several million fewer cavities every year. One more good reason to recommend Gibbs Fluoride - already your customers' favourite fluoride brand.



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been studied by workers at the school of pharmacy and pharmacal sciences, Purdue University, U.S.A. (*J.pharm. Sci.*, 1967, 56, 896). They administered, orally, a suspension of C-14 labelled acetylsalicylic acid to rats. The rats were fasted thirty-six hours prior to administration and were allowed no food or water during the experiment. The rats were sacrificed, and the stomachs were examined at intervals ranging from 5 to 120 minutes following administration of the test suspensions. All rats given doses of acetylsalicylic acid ranging from 50 to 600 mgm. per kilo. were found to have lesions in the corpus region of the stomach. Gross autoradiography of the stomachs of the test animals revealed that rapid absorption occurred and it was found that 5 minutes after administration, the drug concentration in the corpus and rumen was ten times greater than the concentration in other tissues. The drug

passed rapidly through the corpus mucosa into the muscularis where it was absorbed. Within 30 minutes of administration, the concentration of drug in the corpus mucosa was less than in the rumen mucosa, and after 60 minutes the drug level in the corpus portion was essentially the same as that found in other tissue. When the labelled compound was administered intravenously, it was found that the concentration in the corpus and rumen portions was greatest after 15 minutes. The authors report that the data from the study tends to indicate that focal necrosis is not the sole cause of gastric erosion. According to their evaluation, tissue permeability and ion flux across the mucosa may produce capillary wall damage resulting in the blood loss and erosion of the mucosa as a result of the administration to patients of acetylsalicylic acid.

## PHARMACEUTICAL SOCIETY OF GREAT BRITAIN AUGUST MEETING OF COUNCIL

(Concluded from THE CHEMIST AND DRUGGIST, August 12, p. 143)

IN the minutes of the meeting of the Law Committee, presented by its chairman (MR. D. E. SPARSHOTT), it was reported that, during June, the premises of 882 authorised sellers, two listed sellers and 111 traders had been visited by the Society's inspectors, and the premises of 362 traders by the Society's agents. Eighteen cases of alleged infringements under the Pharmacy and Poisons Act, 1933, and one case under the Pharmacy and Medicines Act, 1941, were submitted. Proceedings were recommended to be instituted against five authorised sellers and warning letters sent to five authorised sellers and eight traders. It was also recommended to send a warning letter to an authorised seller concerning the supply of Romilar tablets (S.1) without an appropriate entry in the Poisons Book and to refer the matter to the Ethical Committee. A warning letter was recommended to be sent to an authorised seller who was also a wholesale chemist in respect of an alleged infringement under Rule 16(a) of the Poisons Rules (Supplies by Wholesalers), and the matter reported to the Ethical Committee. It was also recommended to send a warning letter to a trader in respect of infringements under the Pharmacy and Medicines Act, 1941. Such letters had been sent to six authorised sellers of poisons, one person who was not an authorised seller and thirty-four market traders. The recommendations were adopted.

### Advertisements Under Scrutiny

The minutes of the meeting of the Ethical Committee, presented by its chairman (MR. W. M. DARLING), recorded that, during the past two months, five instances of advertising and/or canvassing had been dealt with and brought to a satisfactory conclusion. The Committee considered a card that a pharmacist had distributed from door to door indicating that orders taken by telephone were dispatched by "our daily delivery service" and that the pharmacy was "Open weekdays until 8 p.m. Sunday 10.30 to 1 p.m. Medicines—surgical goods—cosmetics—toilet requisites—baby food." The pharmacist had discontinued distributing the card but had not agreed that it amounted to advertising dispensing services. It was resolved to reaffirm to him the application of paragraphs 7 and 21 of the Statement upon Matters of Professional Conduct. It was also reported that a pharmacy had displayed a trestle-type advertisement outside its premises bearing the wording: "Photographic Chemist Open. N.H.S. Dispensing Hours: Wednesday 9 a.m.-1.0 p.m. 5 p.m. to 7.30 p.m. Express 24-hour Developing and Printing Service." The pharmacist, while indicating his willingness to delete the words "N.H.S. Dispensing Hours," had requested that the remaining words and trestle advertisement should still be used. The Committee considered photographs of the advertisement outside the premises and a letter from the pharmacist stating that it was in the

interests of the public to have such an advertisement displayed. It was decided to reaffirm the Society's disapproval of the advertisement and to have the Society's views on that kind of advertising referred to in the Society's journal.

The Committee had approved a draft reply, prepared by the office to a letter from the Monopolies Commission requesting a statement on restrictive practices affecting professional services. The reply summarised the Society's powers and duties under the Charter and Statutes.

The superintendent of a pharmacy that had opened for business in the style of a supermarket had been informed of the Society's views but had insisted that his methods of trading were suitable to modern conditions. He would "bear them in mind in future developments." The recommendations were adopted.

The minutes of the meeting of the Committee for Education and Science were presented by THE PRESIDENT. MR. DARLING moved an amendment that the proposed entry requirements of the University of Bradford be approved, subject to the deletion of the two "A" level demand pending the decision of Council on the matter. The amendment was seconded.

### How Many "A" Levels?

THE SECRETARY explained that the normal entry requirement was three "A" levels. They had been assured that the student with two "A" levels would have to have the highest possible grading in those two subjects. PROFESSOR BECKETT said that it was important that the Society should clearly show what the standard of entry should be. If it was prepared to concede that two "A" levels at a good standard might be accepted then the Society should specify what was meant by a good level. The amendment was carried. The Committee discussed details of the regulations and syllabus of a proposed four-year sandwich B.Sc. in pharmacy (ordinary) course at Sunderland Technical College. The first two years of the course would comprise theoretical work in the college followed by one year's practical training (the premises, work and conditions being approved by the College academic board) and the final year in the College. It was recommended to refer the syllabus to the sub-committee appointed to consider degrees in pharmacy.

A more detailed report of the Codex Revision Committee, presented every six months, was suggested as an alternative to the minutes of the committee.

After receiving a report of a meeting held between representatives of the Society and the Royal Institute of Chemistry, the Committee recommended advising the joint examinations board to proceed to institute a mastership in pharmaceutical analysis with the abbreviation M.Ph.A.

The report was approved and the recommendations were adopted.



# *A History of the* BRITISH PHARMACEUTICAL CONFERENCE: *The Year 1907* by E. H. Shields

**A**S instructed by a free vote of the Birmingham Conference, the Executive gave careful consideration to a suggestion to raise the membership subscription to half a guinea. The result of several committee meetings was a compromise, which left the matter as it was but called it a *minimum* subscription, with a strong hint that a larger amount would be appreciated in order to meet current expenses. Unofficial critics were grumbling about the restricted range of subjects; would not occasional papers on ethical or political problems in relation to pharmacy arouse wider interest and help to increase membership? Here again the committee decided — by a large majority we are told — to continue to confine attention to scientific subjects, of which there was certainly no lack. Narrow, indeed! The critics were referred to their own research list and advised to get busy on its forty-six items, using the special fund ear-marked for that purpose but only rarely called upon. Even the treasurer was reasonably happy, when the time came for his report, for his deficit of £111 had been reduced to less than £10.

## *Friendly, Brisk, Businesslike*

Manchester's greeting in July 1907 was typically friendly, brisk and businesslike, for the local association had done its preparatory work thoroughly, and only a well disposed (and perhaps only a Mancunian) lord mayor could have



Early arrivals at the 1907 conference meeting in Manchester.

staged such a splendid reception on the Monday evening and then twitted the members on Tuesday morning with approaching bankruptcy. Had not Sir Frederick Treves recently suggested that drugs could be dispensed with in favour of surgery, hygiene and kitchen medicine? Undaunted by the prospect Mr. Thomas Tyrer, in his opening address, emphasised the need for more and still more research, beginning sensibly with their own year-book. Evidently Mr. Tyrer did not approve of the economy measures that had cut out the editorial introduction, abbreviated the abstracts and lost the bibliography — all useful tools for the research worker. The preface to the original 1870 volume by J. Cargill Brough (first Editor of the *C. & D.*) and Joseph Ince "was so appropriate to the conditions of today that it should be perused in the light of present experience and need." In such conditions the function of the Conference and its year-book was not diminished but exalted. "What really is the trivial

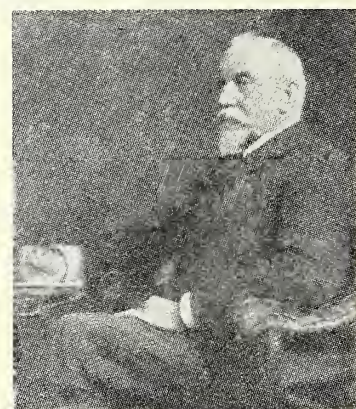
subscription for a practical, up-to-date reference book?" Many previous presidents had referred to research in various ways, but Mr. Tyrer regarded it as fundamental, and he had garnered from leading contemporaries a "symposium of definitions" that were really declarations of faith. To Professor Armstrong it was "the element of scientific and technical progress." Professor



Professor Meldola.

Meldola described research as "the one mean known to us of keeping teachers alive and training students to think for themselves." The late Sir W. H. Perkin had seen "no essential difference between research and investigation." Dr. T. E. Thorpe thought that there was a subtle difference but referred the questioner to Lord Kelvin as the ideal scientific technologist. "In his clear bold hand" Kelvin had replied: "Research may be defined as endeavour to extend our knowledge of the properties of matter." Sir William Ramsay had recently reported on "The Advantages of Investigating the Unlikely" and had come to the conclusion that some people like to do ordinary, routine work. Some, on the contrary, like to tempt Providence," and he himself preferred the latter course. Sir William Crookes found definition rather difficult — "a particular subject takes hold of one, and he instantly feels that he has found his occupation." The subject of the rare earths had attracted him in 1849 "and I have been pretty faithful to my first love ever since, except for a few flirtations with high vacua." Their own Dr. Attfield, unfortunately absent from Manchester, had said that "Research is the bringing of truth from the region of the unknown into the region of the known." Mr. Tyrer was not a pharmacist but, as a candid friend, he gave a gentle hint that the pharmaceutical curriculum would be all the better for the addition of more physics and mathematics — "that educational grounding in principles without which we are groping in the dark and not searching in the light."

It was a decidedly long address, and it was reinforced with numerous examples of successful researches in various fields, and



Mr. Thomas Tyrer.



Mr. Tyrer assured his fellow president (of the Society) that he could have made it longer; whereupon Mr. Rymer Young thanked him for what he had given and for what he had refrained from giving. The generosity and the restraint were equally appreciated. To avoid the tedium of an afternoon session, Conference adopted the simple



Dr. W. H. Martindale

expedient of extending the morning session to two o'clock which must have seemed well into the afternoon. Before this (probably welcome) adjournment, eight papers were taken, including an unusual contribution from Dr. W. H. Martindale. With the co-operation of the *C. & D.* he had gathered together "Pharmacy Notes" from various parts of the world, partly in the form of an illustrated pamphlet and partly as mounted specimens in a divided cabinet. The author apologised for what he called the "scrappy nature" of his notes but among his collection were many interesting items from unexpected quarters, typical of local conditions.

### Manchester's Own Contribution

Manchester was well represented on the second day with papers by Messrs. Grier and Garnet, J. H. Franklin, G. Pinchbeck, P. H. Crewe and two professors from the University. Professor R. B. Wild dealt with artificial calamines and their use in dermatological practice. Calamine had been omitted from the current B.P. and Dr. Wild was finding great variations in colour and quality in preparations supplied to the skin hospital and in private practice. He suggested that the Conference should devise a formula "which could be described so that we should know what we are getting." The paper and subsequent discussion provided an example of medico-pharmaceutical collaboration at its best. It made the president sigh for the lost Formulary — they should never have parted with it! Nobody mentioned the new "Codex," waiting just

round the corner. Professor F. E. Weiss ranged far and wide in discussing fungal infection and resistance to disease among plants.

Mr. J. P. Gilmour, presenting the fruits of seventeen years' "Official Testing of Drugs and Chemicals," argued that testing ought to be carried out in every pharmacy as a matter of course. It was not expensive: all the necessary apparatus could be bought for £10 and maintained for a few shillings a year; the reagents were already in stock or easily procurable; the actual testing, if done methodically, took "surprisingly little time," though there was a tendency to add to the number of standardised substances and preparations and their assay, on the small scale, was laborious and sometimes difficult. The gains were manifold — the knowledge that one is getting what is paid for, the clear confidence and conscience that positive knowledge alone imparts, the personal satisfaction "of reducing to fruitful practice" the otherwise undeveloped or disused technical training, the prompt detection of substances wrongly supplied — some startling instances were quoted — the ability to give assistants and apprentices a more thorough grounding, and the ulterior effect of attaining a true professional level "to which the average pharmacist of the present aspires rather than ascends." The thesis was well documented with the results of 2,445 examinations of eighty different articles, of which 371 (about 11 per cent.) were rejected as being below B.P. requirements. A further paper was promised on unofficial drugs and chemicals and the microscopic examination of powdered materials. The completeness of the exposition probably disarmed criticism, just as the excellence of the example discouraged imitation; Mr. Edmund White and the president pointed with something like awe to those 2,445 experiments — and the Conference went on to welcome a new recruit, Mr. Ernest Quant, on infusion of quassia, for which cold water was still the best medium . . . and which was useful as an application for keeping Scottish midges away, added Mr. Claridge Druce, on the recommendation of a Scottish lady, though she made a decoction for this purpose. Thus forewarned, if not actually forearmed, the Conference shortly afterwards decided to accept a cordial invitation to meet in Aberdeen in 1908, with Mr. R. Wright in the chair. It was an honour unsought but deeply appreciated, for the Conference represented to him "the very life and soul of pharmacy."

## NEW FILMS

### Marketing is the link

*British Productivity Council*, Vintry House, Queen Street Place, London, E.C.4. 16 mm. Black and white. Running time 30 min.

The film illustrates the philosophy of marketing by presenting examples of actual successes. The men responsible for them — Messrs. Eric Sharp (marketing director of I.C.I. Fibres, Ltd.) Tom Heywood (managing director, Lloyds Automotive, Ltd.) and Terence Conran (founder, Conran Design Group) describe the methods they used. The film (UK 1862) may be bought from the Council at £52 10s., or hired from the Central Film Library, Government Buildings, Bromyard Avenue, London, W.3.

### A Unique Combination

*Allen & Hanburys, Ltd.*, Bethnal Green, London, E.2. 16 mm. Colour. Sound. Running time 30 minutes.

The retail pharmacist is faced with the problem of conducting a successful business of selling goods while always being aware that he is a member of a profession and has a responsible part to play in safeguarding the health of the nation. The film is concerned with the problem and its answers. It explains that profit is not simply the margin between selling price and cost price and goes into all other contributory factors that enter into a formula for maximum profitability. They are dealt with under six main headings. The film is intended to be shown at meetings arranged by the company and no spare copies are available at present.



A garden party group at Brile Hill Park, Salford. In it are, standing, Messrs. H. E. Boorne, Bristol, J. Harkness, J. W. Bowen and W. L. Howie, London; seated, Messrs. F. W. Ashton, Croydon, G. S. Woolley (with grandchild), T. Tyrer and R. Feaver Clarke, Gravesend.



## MANUFACTURERS' ACTIVITIES

**House Journal Award.**—Best staff magazine in the 1967 national house journal competition was *57 News*, published by H. J. Heinz Co., Ltd. (94 per cent. of marks). Second was *Pfizerama* (house journal of Pfizer group) (93 per cent.).

**Overseas Success for Film.**—A special diploma has been awarded by the Norwegian Advertisers' Association to the Ronson film advertising the Escort hairdryer. The film is currently being shown in colour on cinema screens throughout Norway.

**Sponsored Show Jumping.**—A. Wandler, Ltd., 42 Upper Grosvenor Street, London, W.1, sponsored the jumping competition in the South-west Herts Horse Show on August 5, to benefit British Rheumatism and Arthritis Association and other Round Table charities.

**Marketing Services.**—Stats (MR), Ltd., Computer House, 143 Broomsgrove Street, Birmingham, 5, have set up a market services division aimed at applying market research results practically "to moving goods out of the shop."

**Services in Sales Analysis.**—Tack Management Consultants, Ltd., Longmore Street, London, S.W.1, offer to those whose problem is "sales up, costs up, profits down" a consultancy service in sales analysis. A brochure obtainable from the company indicates areas that can benefit from sales analysis.

**Contest Finals to be Televised.**—Finals of the "Miss United Kingdom, 1967" beauty contest which were televised from the Locarno ballroom, Blackpool, Lancs, on August 17, were organised by Mecca Promotions and Blackpool borough and sponsored by Energen Foods Co., Ltd., Birling Road, Ashford, Kent.

**Language Laboratory for Executives.**—Language Tuition Centre, 26 Oxford Street, London, W.1, announce a new service to meet the needs of modern business: Commerce and Industry's Language Laboratory. By its means, they say, "you will learn, in the relaxed atmosphere of the most modern language laboratory in Europe, another language naturally, confidently, quickly."

**Sales Drive for Exports.**—Smith Kendon, Ltd., was one of the companies featured by the *Sun* recently in a review of some of Britain's smaller firms with export success stories. The article mentioned that Mr. Hayden Williams (a director of the company), had travelled 30,000 miles in three months taking orders for his company's products. Hongkong, Japan, India and Italy were some of the markets Mr. Williams visited and described.

**To Investigate Dental Caries.**—Because of the varying opinions currently held on the causation of dental caries, a research team at the factory of H. W. Carter & Co. (a member of Beecham Group, Ltd.), are carrying out fundamental research on the problem. The company's programme includes the examination of acid mater-

ials in the mouth resulting from the action of various types of micro-organisms on different sugary materials.

**Award for Film.**—A twenty-minute colour film, "Mechanisms of Action of Oral Contraceptives", one of a series of films produced by Syntex Corporation, has won the golden eagle award of the Council on International Non-Theatrical Events, Washington, D.C., U.S.A. The presentation of awards takes place in Washington on November 17. Copies of the film are available on loan from Syntex Pharmaceuticals, Ltd., St. Ives House, St. Ives Road, Maidenhead, Berks.

**Plaster of Paris in Surgery.**—The medical products group of Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts, has published a 37-page illustrated booklet, "The History and Function of plaster of Paris in Surgery." It traces the history of the mineral gypsum, from its earliest record to the present day. The method of calcining the natural gypsum to convert it to plaster of Paris, and the chemical changes which take place when used to form a plaster cast are outlined together with descriptions of types and application of casts and some new materials. The handbook is designed for those having a special interest in or concerned with the use of plaster of Paris in surgery.

**Birth of a Tradition.**—Beginning this year Wilkinson Sword, Ltd., Southfield Road, London, W.4, are making annual presentations of three "swords of peace" to serving units of the Navy, Army and Air Force who have done most to preserve friendship and peace in the territories in which they serve. The 1967 swords were presented to Mr. G. W. Reynolds, M.P. (Minister of Defence) on July 20 representing the three services. The 1967 awards were to 40 Commando Royal Marines and the 40th Light Regiment, Royal Artillery both for their activities in Sarawak. The Royal Air Force award was to No. 22 Squadron, Coastal Command, a Whirlwind helicopter squadron, headquarters at St. Mawgan, with an outstanding record of achievements during many hazardous mountain and sea rescues.



**AMSTERDAM HEADQUARTERS OPENED:** Sir Peter Garraan, British Ambassador to Holland (right), recently opened the new headquarters of Wellcome Nederland, N.V., in one of the new suburbs of Amsterdam. He is seen here talking to Mr. T. Herbschleb, general manager of the company which was established in October 1966 as a subsidiary of the Wellcome Foundation, Ltd.

**Symposium on Iron Infusions.**—The rationale for using the technique of total-dose infusion of Imferon for the treatment of iron deficiency in obstetrics and gynaecology was discussed at a recent symposium held in London by Fisons Pharmaceuticals, Ltd., Loughborough, Leics. Chairman was Sir Hector MacLennan (a past-president of the Royal College of Obstetricians and Gynaecologists). Dr. A. J. Fielding outlined his work on the determination of storage iron, using the chelating agent desferrioxamine. His investigations showed that, even among healthy men, latent iron deficiency was much commoner than was usually supposed, and that as many as 30 per cent. of women of child-bearing age with normal haemoglobin levels had no storage iron. Dr. G. Will presented a paper on the absorption and distribution of iron dextran after total-dose infusion using radioisotope techniques. He showed that, even with greatly raised serum-iron values, there was no sign of iron intoxication, demonstrating the stability of the iron-dextran molecule. The method seemed to be effective in treating iron deficiency anaemia; iron stores were immediately reconstituted and the anaemia rapidly corrected. Dr. J. Bonnar gave his clinical impressions of the use of total-dose infusion in over 500 ante-natal, post-natal and gynaecological patients. He stated that blood transfusion was now used in his unit only for emergencies. Although the rate of haemoglobin increase was no faster using total-dose infusion than using other methods of therapy, it had the advantage of eliminating the need for the long course of injections. Dr. Bonnar recommended administration of antihistamine before giving an infusion.

## INSTRUMENTS AND APPARATUS

**Sterile Filtering System.**—By combining a low-cost 47-mm. filter holder and receiver flask in a closed system, the Millipore Sterifil system allows liquid samples to be tested for sterility without exposure to environmental contamination. MF-Millipore filters, designed for use with the system, have a hydrophobic edge approximately 3 mm. wide, that prevents the diffusion of sample solution beyond the filtration area where it could remain after flushing and interfere with the subsequent growth of collected micro-organisms. Four Luer slip ports in the Sterifil holder cover allow aseptic introduction of liquid samples, wetting agents, culture media and rinses, and also venting of the holder





with air filtered through a 13-mm. Swinnex filter holder containing a microfibre glass filter (supplied). The Sterilif holder may be autoclaved with the filter in place. Capacity of the holder and of the receiver flask is 250 mls. The new system is available from stock from Millipore (U.K.),

Ltd., Heron House, 109 Wembley Hill Road, Wembley, Middlesex, price £4 2s.

**Automatic Polarimeter.**—The M560 polarimeter developed by Hilger & Watts, Ltd., 98 St. Pancras Way, Camden Road, London, N.W.1 has digital read-out and printing to measure the

optical activity of samples ranging from beet and cane sugar to pharmaceutical materials. More than 150 samples per hour can be measured, and less than 50 mls of sample solution is needed. Details are given in catalogue CH 441, available from the company.

## PHOTOGRAPHIC NOTES

**Outside Measure.** — A measuring cylinder of water-clear polystyrene holding 42 ounces of liquid has been introduced by Patersons for use with their Triple Major and similar large developing tanks. Graduated in metric and imperial units the tank is marketed by Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4.

**Discontinued.** — Agfa-Gevaert, Ltd., Great West Road, Brentford, Middlesex, have discontinued R5 reversal film in all sizes, still and cine. Retail price maintenance on those films has been withdrawn. The Agfa-Gevaert processing station at Deer Park Road, Wimbledon, London, S.W.19, will continue to process all R5 film.

**Electronic Flashgun.**—A new model in the Regula Variant series of electronic flashguns has been introduced by Photopia, Ltd., Hempstalls Lane, Newcastle, Staffs. Called the Regula Variant FS, the new model is basically similar to the model F but has a higher guide number of 45 with Kodachrome II film (25 ASA).

**Two Super 8 Cameras.**—Johnsons of Hendon, Ltd., Hendon Way, London, N.W.4, distribute the Eumigette and Eumigette zoom Super 8 cine cameras. Points common to the two models are reflex viewer with adjustable eyepiece and fully automatic exposure control with through-the-lens metering. For extreme conditions the aperture may be altered by +1 stop by manual override. The Eumigette has a 14 mm. f/1.8 fixed focus lens and the Eumigette zoom with focal length range of 10-20 mm. In this model a servo-focus system automatically adjusts the lens to the hyperfocal setting over the entire range of focal lengths.

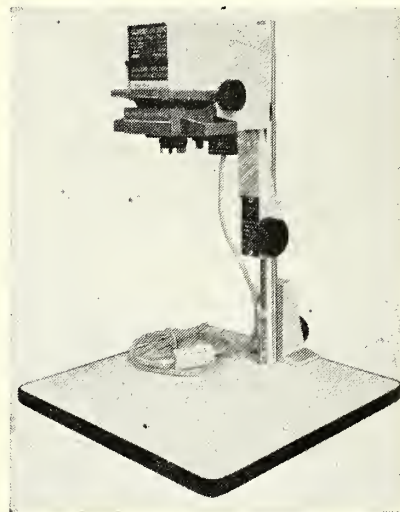
**Dual-purpose Projector.** — A new dual-purpose slide projector combining two projection systems has been introduced by Rank Audio Visuals, Ltd., Woodger Road, London, W.12. The Rank Duo-Scope weighs no more than

16½ lb. and is the size of a portable typewriter. It can be used for back projection (screen size 10 in. x 10 in) or converted into a conventional projector by removing a small mirror. Light source is a 150-watt iodine-quartz lamp. A 50-mm. f/3.5 lens is used to cover the whole of the rear projection screen and to provide large pictures on a separate screen at a relatively short projection distance. A Wray 85-mm. f/2.8 lens is available for normal front projection.

**Change of Distributor.** — Paximat projectors, produced by Carl Braun Kamerawerke, Nuremberg, West Germany, are now marketed in the United Kingdom by Photomarketing Ltd., Kingsbury House, Blackburn Road, London, N.W.6. Three 4 x 4 cm. models have been introduced, each of which accepts both standard magazines of 36 and 50 slides and rotary magazines of 100 slides. The Model 3000-auto-focus is focused by an "electric optical system" controlled by the machine only. Light source is a 24-volt/150-watt quartz halogen lamp and slides may be changed by remote control cable, self timer, or manual keyboard control in forward and reverse, with a prismatic type slide guide. The Model 2000-electric is similar but focusing is not automatic, being controlled by remote control cable while the Model 1000 - electric has a similar specification to that of the 2000-electric but without self-timer and with a 12-volt/100-watt lamp.

**Enlarger Focused by Colour.**—The Durst M300 enlarger for negative formats from 35-mm. to 8-mm. packs away into a polystyrene outfit case measuring less than 16 in. x 16 in. x 6 in. Lenses from 28-50-mm. focal length can be used. It is possible to adjust the enlarger head so that the negative can be projected onto a wall or floor. The enlarger is equipped with the Durst focus indicator. Three

squares are seen on the baseboard. If the image is out of focus these will either be green or red or a combination of the two colours. Rotating the focusing control until the three squares become pure white brings the image to sharp focus. Reversing the condenser housing and inserting a copying cas-



sette in place of the negative carrier, converts the enlarger to a copying camera, the condenser housing in its reversed position providing a reflex viewfinder system. Durst enlargers are distributed by Photopia, Ltd., Hempstalls Lane, Newcastle, Staffs.

**Now with Through-lens Metering.** — Latest model in the Edixa range of single-lens reflex camera is the Prismat TTL, which has a through-the-lens metering system operating on two CdS cells situated in the viewfinder system. Light entering through the eyepiece is prevented from affecting the cells by virtue of their situation on either side of the prism immediately behind it, and between the rear of the prism and the viewfinder eyepiece. The cells point towards the prism and are completely shielded from the rear and sides. The two cells work in conjunction with each other to give a balanced exposure reading for the subject matter, a system claimed automatically to give maximum balance for varying contrasts within the subject. Another advantage claimed for the Edixa system is that no special lenses have to be used. Any lens, even a normal manual operation one can be used with the Edixa as can all previous lenses supplied for the camera. The metering system accommodates film speeds from 6-1,600 ASA (9 to 33 DIN). The camera is available with a from Paul Plus, Ltd., 29 King Street, Newcastle, Staffs.

### IMPROVED PHOTO- WORK DELIVERIES:

In preparation for the seasonal peak of the photographic year, Agfa-Gevaert processing division, Wimbledon, London, S.W., recently introduced the fleet of five Morris-1000 vans here shown. The vans will be travelling over 600 miles a week each within the Greater London area to collect and deliver films for processing. In emergencies they may go even further afield. To most dealers it will be possible to offer a 24-hour service. The vans are all driven by ladies — "mobile ambassadors," say the company.





## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are augmented before wholesale dealers receive the goods into stock.

LONDON, AUGUST 16: Extremely dull conditions continued in all sections of the market during the week. Several CRUDE DRUG prices were marked down due to new-crop material influences or to a desire to off-load. CHERRY BARK was down by one penny per lb. and SENEGA by sixpence. With new-crop Portuguese-Spanish ERGOT being offered at 1s. 3d. lb. lower than previous shipment rates, spot offers were cut by the same margin; the lower prices also affected Continental material which fell sixpence lb. Some shippers of Brazilian MENTHOL eased their quotations by threepence lb. but all other rates were unchanged. Among SPICES, PEPPERS and CHILLIES were easier. Dearer per cwt. were spot DANDELION ROOT by 10s.; QUILLAIA by 20s. and Indian VALERIAN by 5s.

Movements in ESSENTIAL OILS were few. Ceylon CITRONELLA was dearer by one penny lb. and Mysore SANDALWOOD lower by sixpence. LAVENDER and LAVENDIN are expected to provide good crops this year but LIME will be short.

As mentioned in previous reports the higher costs of raw materials are beginning to be reflected in the prices of PHARMACEUTICAL CHEMICALS. Over the previous two weeks CITRATES were affected by an earlier rise in CITRIC ACID. During last week higher prices for GLYCEROPHOSPHATES have been announced as a result of the earlier GLYCERIN increases; the new schedule by one maker is given below. THEOPHYLLINE, B.P. was increased by 1s. 3d. kilo while the HYDRATE and AMINOPHYLLINE are dearer by 1s. 6d.

### Pharmaceutical Chemicals

AMINACRINE HYDROCHLORIDE.—£24 per kilo.

BARIUM SULPHATE.—B.P., 50-kilo lots, 3s. 8d. to 3s. 9½d. as to package; 250-kilos from 3s. 3½d. to 3s. 5d.

BEFMEGRIDE.—B.P.C. is 320s. per kilo.

BENZOCAINE.—1-cwt. lots, 13s. 2d. per lb.

BORAX.—B.P. grade, 1 ton and upwards in sacks. Granular, £56 10s.; crystals, £60; powder, £61; extra fine powder, £62 per ton. Less £1 in paper bags. Anhydrous £61 10s. 0d. in paper bags. c.p. in Great Britain. Surcharge for less than 1 ton but not less than 10 cwt., 2s. per cwt.; 5 to 9 cwt., 10s.; 1 to 4 cwt., 20s.

BROMIDES.—Crystals (per kilo):—

	Under 50 kilos	50 kilos
POTASSIUM*	s. d.	s. d.
...	6 3	5 8
SODIUM ...	6 3	5 8
AMMONIUM ...	7 2	6 7

\* Powder is fourpence per kilo more.

EMETINE.—One-kilo lots HYDROCHLORIDE, 11,431s. per kilo.

EPHEDRINE.—HYDROCHLORIDE, 4s. 3d. per oz.

ERGOMETRINE.—MALEATE, B.P., 147s. per gm. for 5-gm. lots; ERGOTAMINE TARTRATE, 29s. 6d. per gm. for 100-gm. lots.

FORMALDEHYDE.—B.P. solutions, 5-drum lots, 710s. per ton delivered.

GLYCEROPHOSPHATES.—Per kilo in 50 kilo lots: CALCIUM, B.P.C., 28s. 10d.; IRON 37s. 4d.; MAGNESIUM, 39s. 2d.; MANGANESE, 56s. 10d.; POTASSIUM, 50 per cent., B.P.C.,

9s. 6d.; SODIUM, 50 per cent., B.P.C., 6s. 8d. and powder, B.P.C., 1949, 22s. 4d.; GLYCEROPHOSPHORIC ACID, 20 per cent., 11s. 10d.

HEXAMINE.—B.P.C. 1959, 50-kilo lots are 6s. per kilo.

HEXAMINE MANDELATE.—50-kilo lots, 27s. per kilo; 1,000 kilos, 23s. 6d.

HISTAMINE.—The ACID PHOSPHATE is £200 per kilo.

HYDROGEN PEROXIDE.—For 27.5 per cent. by weight, £115 per ton; 35 per cent., £138.

HYOSCINE HYDROBROMIDE.—Per kilo, 3,418s. 10d.; METHYL BROMIDE, 3,589s. 9d.

HYOSCYAMINE SULPHATE.—1-kilo lots, 1,181s.

HYPOPHOSPHITES.—Per kilo:—

Quantity	1 kilo	12.5 kilos	50 kilos
	s. d.	s. d.	s. d.
CALCIUM, B.P.C.	17 2	16 1	15 1
IRON, B.P.C. ...	34 10	33 7	32 5
MAGNESIUM ...	29 3	28 2	27 2
MANGANESE, B.P.C.	35 3	33 11	32 9
POTASSIUM, B.P.C.	23 1	22 5	21 4
SODIUM, B.P.C.	19 2	18 1	17 1

IRON SALTS.—AMMONIUM CITRATE, 250-kilos, 9s. 7d. kilo; CARBONATE (SACCHARATED), B.P.C., 1949, 28-lb., 3s. 3d. lb.; 1-cwt., 3s. lb.; GLUCONATE, B.P.C., 4s. 9d. per lb. in 1-cwt. lots; PHOSPHATE, B.P.C., 7s. 7d. per kilo; SUBCARBONATE, 100-kilos, 6s. 0½d. per kilo; SULPHATE, B.P., crystals 1-cwt. 70s. per cwt.; 5-cwt., 65s. per cwt.; granular, 2s. 6d. per cwt. extra; exsiccated, 1-cwt., 26s. 5-cwt., 121s. per cwt.

MERCURIOCHROME.—250-gm lots are 147s. per kilo; 1-kilo, 127s.

THEOPHYLLINE.—50-kilo lots and over: B.P., 32s. 3d. per kilo; HYDRATE, B.P., 31s. 6d. and AMINOPHYLLINE, 31s. 6d. per kilo.

### Crude Drugs

ACONITE.—Spanish *napellus* short at 3s. 6d. per lb.; shipment, 3s. 3d., c.i.f.

AGAR.—Kobé No. 1 for shipment, 21s. 6d. lb. c.i.f.; Spanish, 25s. duty paid.

BALSAMS.—(per lb.): CANADA: 35s. 6d., spot, 33s., c.i.f. COPAIBA: B.P.C. spot, 11s.; shipment, 6s. 6d., c.i.f.; PERU: spot, 12s. 3d.; shipment, 11s. 3d., c.i.f.; TOLU: B.P., 12s. 6d.

CAPSICUM.—Ethiopian off-stalk, 280s. cwt. (255s., c.i.f.). Kenya, 185s., c.i.f.

CARDAMOMS.—(per lb.). Alleppy greens, 18s., spot; shipment, 16s., c.i.f. Prime seed, spot, 32s. 6d.; shipment, 29s. 3d., c.i.f. Ceylon greens No. 1, 20s. 9d., c.i.f.

CHERRY BARK.—Thin natural, on spot, 2s. 3d. per lb.; shipment, 2s., c.i.f.

DANDELION.—Root is 185s. per cwt., spot; September-October shipment, 170s., c.i.f.

ERGOT.—Portuguese — Spanish, spot, 9s. 3d. per lb.; shipment, 8s. 9d. c.i.f., for new crop. Continental, 8s. 6d., spot, 8s. 3d. c.i.f. North American, 8s. 9d. and 8s. 3d., c.i.f.

GINGER.—(per cwt.). Nigerian split, 100s.; peeled, 160s. spot; African, 160s. Jamaican No. 3, 250s.; Cochín, 200s.

GUM ACACIA.—Kordofan cleaned sorts, 250s. per cwt., spot; shipment, 214s., c.i.f.

JALAP.—Mexican whole bulbs, 4s. per lb. on spot; shipment, 3s. 9d., c.i.f. Brazilian, 1s. 9d., c.i.f.; spot, 1s. 11d.

LYCOPodium.—Nominally, 12s. 6d. lb. spot.

MENTHOL.—(Per lb.). Chinese, September-October shipment, 30s. 3d., c.i.f.; spot, 32s. 6d. in bond. Brazilian for shipment, 27s. 6d., c.i.f.; spot, 28s. 6d. in bond.

PEPPER.—White Sarawak, spot, 2s. 9½d. (2s. 8½d., c.i.f.); Black Sarawak, 2s. 10d., c.i.f. Black Malabar, 292s. 6d. per cwt., c.i.f., Brazilian black No. 1, 2s. 8d. lb. duty paid.

QUILLAIA.—Spot is offered at 195s. per cwt.; shipment, 195s., c.i.f. nominal.

SEEDS.—(Per cwt.) — ANISE.—Cyprian, 237s. 6d., c.i.f. CARAWAY.—Dutch, 145s., spot. CELERY.—Indian, 165s., spot; shipment, 155s., c.i.f. CORIANDER.—Moroccan, 105s., duty paid; Rumanian splits, 110s., duty paid; shipment, Moroccan, 83s., c.i.f. New crop, Rumanian whole for September-October, 80s., c.i.f. CUMIN.—Spot, Cyprian, 225s.; Iranian, 240s., duty paid; shipment, Iranian, 155s., c.i.f. DILL.—Indian, 120s., spot; shipment, 100s., c.i.f. FENNEL.—Chinese, 127s. 6d., duty paid; Indian, 145s. FENUGREEK.—Moroccan, 83s. 6d., duty paid; shipment, 65s., c.i.f. MUSTARD.—English, 65s. to 105s., according to quality.

SENEGA.—Canadian, 29s. 6d. per lb., spot; shipment, 27s. 9d., c.i.f.

VALERIAN ROOT.—Indian, spot, 185s. per cwt.; shipment, 175s., c.i.f. Continental root, 425s. spot; shipment, 410s. c.i.f.

WAXES.—(Per cwt.). BEES, — Dar-es-Salaam, 805s., c.i.f. CANDELLA, spot, 465s.; forward, 460s., nominal. CARNAUBA, fatty grey, spot, 290s. (270s., c.i.f.), prime yellow spot, 410s. (390s., c.i.f.).

### Essential and Expressed Oils

AMBER.—Rectified spot, 1s. 6d. per lb.

ANISE.—Chinese, spot, 11s. 6d. lb.; shipment, 10s. 9d., c.i.f.

BUCHU.—Spot, from 650s. per lb. for English distilled.

CADE.—Spanish from 2s. per lb. for drum lots.

CAJUPUT.—Spot from 10s. 6d. to 14s. per lb.

CALAMUS.—Spot from 55s. to 60s. per lb.

CITRONELLA.—Ceylon, spot, 4s. 1d. per lb.; shipment, 4s. 1d., c.i.f.; Formosan, 4s. 6d. in bond and 5s., c.i.f. nominal; Chinese, 3s. 10d. in bond; 3s. 8d., c.i.f.

CLOVE.—Madagascar leaf for shipment, 9s. 6d., c.i.f. spot, 9s. 9d. in bond. Rectified, 10s. Distilled bud oil English, B.P., 26s. per lb., for 1-cwt. lots.

LAVANDIN.—French from 20s. to 27s. per lb., as to quality.

LAVENDER.—French from 40s. to 60s. per lb. as to quality.

LAVENDER SPIKE.—Spanish from 23s. 6d. to 28s. per lb. on the spot.

PETIGRAIN.—Paraguay for shipment, 15s. 3d., c.i.f.; spot, 15s. 6d. per lb.

PIMENTO.—Imported LERRY, 110s.; English distilled, 390s.; LEAF, 24s. per lb.

PINE.—*Pumilionis*, 20s. per lb., *sylvestris*, 8s.; *abietis*, 14s.

ROSEMARY.—Spanish, 10s. per lb., duty paid.

SAGE.—Spanish, 21s. per lb.; Dalmatian, 26s.

SANDALWOOD.—Mysore, spot, 118s. lb. East Indian, shipment, 275s. per kilo, c.i.f.

SPEARMINT.—American oil on the spot, 74s. to 80s. per lb. Chinese, spot, 62s. 6d. per kilo; shipment, 52s. 6d., c.i.f.

TANGERINE.—Sicilian new crop offers at from 29s. to 33s. per lb.

### UNITED STATES REPORT

NEW YORK, AUGUST 15: Trading activity remained slow for most CRUDE DRUGS with offerings anticipated with the harvesting of new crops after the end of August. Ceylon CITRONELLA was raised seven cents to 71 cents per lb. GRAPEFRUIT is firmer in tone since imports from Israel remain below normal levels.



## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

"Trade Marks Journal," August 2, No. 4640

For chemical products for use in processing photographic sensitised material (1)

SIGELL, B891,039, by Photopia, Ltd., Newcastle, Staffs.

For chemical products for use in the manufacture of cosmetics (1)

ISETOL, 899,514, by Croda, Ltd., Snaith, Goole, Yorks.

For soaps; perfumery being perfumes, perfumed non-medicated toilet preparations; cosmetics, essential oils, hair lotions and dentifrices (3)

KANEBO MAYOUNG, 891,319, by Kanegafuchi Boseki, K.K., Tokyo, Japan.

For hair preparations for application in spray form from a container having a dial (3)

HALO DIAL-A-SPRAY, 892,383, by Colgate Palmolive Co., New York, U.S.A.

For non-medicated preparations for the care of the skin; cosmetics; non-medicated toilet preparations; perfumes; soaps; preparations for the hair and dentifrices (3)

BEAUTY COUNSELOR BRIGHT LIGHTS, 894,503, by Beauty Counselors of London, Ltd., Newhaven, Sussex.

For perfumes, non-medicated toilet preparations, cosmetic preparations, and perfumed soap (3)

RIMMEL JET-SET BLACK, 895,067, by Rimmel, Ltd., London, W.1.

For perfumes, lipsticks, face powders; colourings and lacquers, all for the hair; hair conditioning preparations, hair setting lotions, hair restorers; cosmetics in cream or in liquid form, cosmetics for the eyes, and talcum powders; all having the fragrance of lime fruit and containing spice (3)

ROMNAY LIME 'N SPICE, B896,201, by Romney Cosmetics, Ltd., Sandwich, Kent.

For cosmetic preparations (3)

NOVUS, 897,278, by NoVus Beauty Products, Uxbridge, Middlesex.

For preparation for the hair, but not including shampoos (3)

CYRILL, 897,358, by Coriolanus, A.G., Binnigen, Switzerland.

For non-medicated lotions for use on the skin after bathing; and non-medicated face powders (3)

FROSTED VELVET, 897,850, by Coty (England), Ltd., London, W.1.

For cosmetic eye preparations (3)

ROMNAY STARRY EYES, B898,393, by Romney Cosmetics, Ltd., Sandwich, Kent.

For preparations in spray form, for the hair (3)

GINGER GROUT BRAND, B840,325, by Richard Conway, London, S.W.1.

For preparations for washing and tinting the hair (3)

INSTALAN RINSE-TONE, 899,387, by Romney Cosmetics, Ltd., Sandwich, Kent.

For soaps, perfumes, essential oils, cosmetics, hair lotions, and dentifrices (3)

JEAN CACHAREL, B900,522, by Jean Bousquet, Paris, 16e, France.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, shampoos, soaps and essential oils (3)

BLACK RAGE, 902,382, SILVER LINING, 902,397, by Roux International, Ltd., Dublin, 5.

For soaps; detergents (not for use in industrial or manufacturing processes); preparations and substances for laundry use; cleaning, polishing, scouring and abrasive preparations (3)

HIMOX, 903,970, HYMOX, 903,972, by Unilever, Ltd., Port Sunlight, Ches.

For Colognes; non-medicated toilet preparations, cosmetic preparations, perfumed soap, dentifrices, depilatory preparations, shampoos and preparations for the hair (3)

BAROQUE, 904,049, by Jean Sorelle, Ltd., London, W.1.

For perfumes, eau-de-Cologne, brilliantine, non-medicated toilet preparations and cos-

metics, preparations for the hair, lipsticks, dentifrice, soaps and toilet articles (3)

MASUMI, 905,247, by Coty (England), Ltd., London, W.1.

For non-medicated preparations for the hair (3)

FLUICON, 904,727, by Gordini Hair Products, Ltd., Billington, Blackburn, Lancs.

For pharmaceutical, veterinary and sanitary preparations and substances, all in capsule form; but not including goods for prophylactic use in connection with the common cold or any goods of the same description (5)

CO-CAPS, 875,493, by D.D.S.A. Pharmaceuticals, Ltd., London, W.1.

For disinfectants, preparations for killing weeds and destroying vermin (5)

Device, 885,581, by Union Generale des Petroles, Paris, 7e, France.

For pharmaceutical preparations and substances (5)

NUPRIN, 891,104, by Beecham Research Laboratories, Brentford, Middlesex.

Device, 902,638, by Laboratoire Lachartre, Paris, 12, France.

Device, 903,659, by Malcolm J. Bassil, Southampton, Hants.

For pharmaceutical preparations and substances, all containing enzymes (5)

NUTRIZYME, 892,515, by E. Merck, A.G., Darmstadt, Germany.

For veterinary substances; insecticides, larvicides, fungicides, herbicides, and pesticides; preparations for killing weeds and destroying vermin; none being for export to or sale in Puerto Rico (5)

DEVATERN, 900,802, by Shell International Petroleum Co., Ltd., London, S.E.1.

For antibiotics for veterinary use (5)

DUOMYCOL, 906,043, by Agricola Chemicals, Ltd., London, W.C.1.

For photographic, cinematographic and optical apparatus and instruments and parts and fittings; and projection lanterns for slides (9)

ROTOW, B901,513, by Dixons Photographic, Ltd., Edgware, Middlesex.

## PATENTS

### COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents),"

August 9, 1967

Reagent and preparation thereof. Ortho Pharmaceutical Corporation. 1,083,633.

Preparation of 2-ketogluconic acid by fermentation. Merck & Co. Inc. 1,083,642.

Antibiotic, methods for its production and therapeutic compositions containing it. Scherico, Ltd. 1,083,662.

Diagnostic agents. C. F. Boehringer & Soehne, G.m.b.H. 1,083,683.

Method of sterilising objects by use of steam. Allied Chemical Corporation. 1,083,700.

Sulphurenic acid and derivatives thereof. E. Squibb & Sons Inc. 1,083,731.

Vaccine adjuvants. Wellcome Foundation, Ltd. 1,083,815.

Method for preparing plasmin and trypsin inhibitors from human or animal body fluids. Behringwerke, A.G. 1,083,822.

Method of enhancing the activity of parentally administerable drugs. Laboratoire De Recherches Physiques, S.a.r.l. 1,083,825.

Lactogenically active proteins and the manufacture thereof. Upjohn Co. 1,083,855.

Method for extracting nucleosides and or bases which are components of nucleic acids. Ajinomoto Co. Inc. 1,083,935.

Method for the preparation of adenine nucleotide derivatives. Sankyo Co., Ltd. 1,083,968.

Pyrido (2,3-d) pyrimidines. Wellcome Foundation, Ltd. 1,084,103.

Quaternary ammonium salts, their preparation and use as surface-active agents. Marchon Products, Ltd. 1,084,134.

Theophylline derivatives. Eprova, A.G. 1,084,150.

Heart valve. Cutter Laboratories Inc. 1,084,158.

Steroid compounds and processes for their preparation. Roussel-Uclaf. 1,084,164.

4,5-seco steroid compounds and processes for their preparation. Roussel-Uclaf. 1,084,165.

Des-A-steroid compounds, and processes for their preparation. Roussel-Uclaf. 1,084,166-67.

Pyrazolidine derivatives. Benger Laboratories, Ltd. 1,084,247.

Method for preparing an enzymatic composition capable of solubilising organic materials.

Takeda Chemical Industries, Ltd. 1,084,265.

Gangtokmycin and the production thereof. Takeda Chemical Industries, Ltd. 1,084,364.

Antibiotic circlerosus. Upjohn Co. 1,084,381.

Process for the manufacture of  $\beta$ -nor- or  $\beta$ -nor-19-nor-androstanes. CIBA, Ltd. 1,084,394.

Preparation of guanidines. Wellcome Foundation, Ltd. 1,084,461.

Steroids and the manufacture thereof. Upjohn Co. 1,084,467-68.

British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patents Office, 23 Southampton Buildings, Chancery Lane, London W.C.2.

from September 20, 1967.

## CONTEMPORARY THEMES

Subjects of contributions in current medical and technical publications.

RADIATION SICKNESS and death. *New Scientist*, August 10, p. 282.

IRON-DEXTRAN. Effect of total dose infusion of, on iron, folate, and vitamin B nutrition in postpartum anaemia. *Brit. med. J.*, August 12, p. 403.

CORTICOTROPHIN-gelatin and corticotrophin-carboxymethylcellulose. Comparison of duration of action of. *Brit. med. J.*, August 12, p. 409.

ANTI-INFLAMMATORY DRUGS. Effects of, on lymphocytes. *Lancet*, August 12, p. 334.

BARBITURATE ADDICTS. Withdrawal fits in. *Lancet*, August 12, p. 337.

A NEW oxygen tent. *Lancet*, August 12, p. 344.

CRYSTALLINE VITAMIN D<sub>3</sub> for the prevention of milk fever in cattle. *Vet. Rec.*, August 12, p. 161.

CANINE DISTEMPER. Protection against. *Vet. Rec.*, August 12, p. 163.

A PHARMACOLOGICAL AGENT [a tetrahydro- $\beta$ -carboline]. Long-term behavioural aberration produced in mice by. *Nature*, August 12, p. 752.

MORPHINE. Tolerance and dependence in the planarian after continuous exposure to. *Nature*, August 12, p. 784.

QUINIDINE - SULPHATE - induced hypoplastic anaemia. *J. Amer. med. Ass.*, July 31, p. 325.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of week of insertion.

### Wednesday, August 23

SOUTH MIDLAND CHEMISTS' GOLFING SOCIETY, Calcot Park golf club, Reading, at 2.15 p.m. Medal play for Cow & Gate cup. (Brought forward from September 6.)

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Delamere Forest golf club, Delamere, Northwich, Ches. Medal competition for Imperial Chemical Industries, Ltd., Pharmaceuticals Division, Avlon trophy.

### Advance Information

CANADIAN CHEMICAL AND EQUIPMENT EXHIBITION, Pace Bonaventure, Montreal, Canada. September 24-26, 1968.

### Courses and Conferences

BRITISH CONGRESS ON THE HISTORY OF MEDICINE, University of Sussex, Brighton, Sussex. September 6-9. Theme: "Medicine and Science in the 1860's." Inquiries to: Dr. F. N. L. Poynter, Director, Wellcome Historical Medical Museum and Library, Wellcome Building, Euston Road, London, N.W.6.

ROYAL SOCIETY OF HEALTH, Caxton Hall, Caxton Street, London, S.W.1. October 11. Conference on Salmonella infection. Details from the Society, 90 Buckingham Palace Road, London, S.W.1.



# Prescribers' Press

What doctors are reading about developments in drugs and treatments

WORKING from the hypothesis that lymphocytes cause some of the manifestations of rheumatoid disease by synthesising proteins which damage tissues, investigators at the University of Adelaide, Australia, have studied the effects of anti-inflammatory drugs on lymphocytes *in vitro*. They have shown that certain drugs which suppress immunological activity also inhibit protein synthesis by human lymphocytes and that drugs used in the treatment of rheumatoid arthritis — chloroquine, phenylbutazone, oxyphenbutazone, mefanamic acid, indomethacin, salicylate and hydrocortisone — exert the same effect. Their findings lead the authors to suggest that an action on lymphocytes is a common property of anti-inflammatory drugs (although the site of action may differ) and that there is a correlation between anti-inflammatory activity *in vivo* and the capacity of the drug to inhibit protein synthesis *in vitro*. That correlation may be used, say the authors, to screen drugs for anti-inflammatory activity (*Lancet*, August 12, p. 334).

Two long-acting preparations of corticotrophin, one combined with gelatin, the other with carboxymethylcellulose, have been compared in healthy volunteers by a worker at University College Hospital, London. He was unable to substantiate a maker's claim that the carboxymethylcellulose preparation "lasts like gel," finding that the duration of its activity was less than that of the gelatin preparation in nine out of the ten subjects. Despite advantages in administration (the gelatin preparation requires warming before injection) the carboxymethylcellulose preparation was found inferior therapeutically when used in equivalent dosage and the author warns that caution should be exercised when changing patients from one preparation to the other (*B.M.J.*, August 12, p. 409).



The new Castlecrafts stand (left) is available to dealers who pre-book a £150 parcel of Castlecrafts holdalls and purses at trade prices (delivery staggered).



DISPLAY STANDS: The new Royal Sweden de-luxe display stand, above is available from Jackel & Co., Ltd., Kitty Brewster Estate, Blyth, Northumberland, to dealers who purchase £40 Royal Sweden hairbrushes at trade prices. The dealer is charged £5 10s. for the stand but receives as compensation one each of the Royal Sweden de-luxe brushes nos. 501 and 503 (total retail value £5 14s.). Alternatively the dealer may purchase a £60 parcel at trade prices to his own assortment and receive the stand free.

## PRINT AND PUBLICITY

A NEW showcard, strikingly designed in black and white, is available from Teeda, Ltd., 63 South Molton Street, London, W.1, to all chemists stocking Teeda hair straightener.

wyn Garden City, Herts: Nivea cosmetics. In leading women's magazines from September.

### PRESS ADVERTISING

CATALINE Co., LTD., Linthwaite Laboratories, Huddersfield, Yorks: Cataline. In *Farmers' Weekly*, *British Farmer*, *Pig Farming*, *Dairy Farmer*, *Milk Producer*, *Farmers' Guardian*, *Scottish Farmer* and *Better Breeding*.

MEGGESON-WARWICK (division of) WHITE LABORATORIES, LTD., Penarth Street, London, S.E.15: Meggezones. In *Daily Express*, *Daily Mail*, *Daily Mirror*, *Sun* and *Daily Record*.

REMINGTON ELECTRIC SHAVER DIVISION, SPERRY RAND, LTD., 26 Kensington High Street, London, W.8: Remington shaver Christmas campaign. In *Daily Express* and *Daily Mirror* during October and *Reader's Digest* in November and December.

SOUTHALLS (SALES), LTD., Bessemer Road, Wel-

### PUBLICATIONS

#### Booklets and Leaflets

JAPANESE CAMERAS, LTD., 50 Piccadilly, Tunstall, Stoke-on-Trent: Technical bulletin on close-up and macro photography.

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Modern Tablet Making." Paper by Mr. A. W. Newberry, F.P.S. (pharmaceutical processing manager) giving an outline of tablet production methods, including notes on coatings. The booklet (30 pp.) has in it two versions of the paper—in English and French.

#### Newspapers

MINNESOTA MINING AND MANUFACTURING Co., LTD., 3M House, Wigmore Street, P.O. Box I.E.T., London, W.1: *Counterview*. First issue of a newspaper for photographic retailers and chemists.

## COMMERCIAL TELEVISION

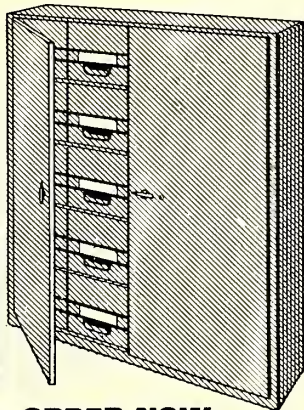
The information given in the table is of number of appearances and total screen time in seconds. Thus 7/105 means that the advertiser's announcement will, during the week covered, be screened seven times and for a total of 105 seconds.

Period—August 27-September 2

PRODUCT	London	Midland	North	Scotland	Wales & West	South	North-east	Anglia	Ulster	Westward	Border	Grampian	Eireann	Channel Is.
Alka Seltzer ... ..	4/120	4/120	4/180	5/150	5/150	5/150	5/150	—	5/150	5/150	4/120	5/150	3/90	5/10
Anadin... ..	2/60	2/60	2/60	1/40	1/30	2/60	1/30	2/37	2/60	2/60	1/30	—	—	—
Andrew's liver salts ... ..	2/30	2/30	3/45	5/75	2/60	1/15	3/45	5/75	3/45	2/60	1/15	3/45	1/15	2/30
Bisodol ... ..	—	5/35	—	—	—	—	—	—	—	—	—	—	—	—
Askit powders and tablets ... ..	—	—	—	7/49	—	—	—	—	—	—	3/21	2/14	—	—
Horlicks ... ..	—	—	—	—	—	1/30	—	—	1/30	—	—	1/30	—	—
Immac ... ..	—	—	—	1/40	—	—	1/40	—	—	—	—	—	—	—
Moorland indigestion tablets ... ..	—	—	—	—	—	1/15	—	—	—	—	—	—	—	—
Dettol ... ..	1/45	2/90	1/45	1/45	1/45	—	—	1/45	—	—	2/90	—	—	2/90
Disprin ... ..	1/15	2/30	—	—	1/15	1/15	1/15	1/15	2/30	—	—	1/15	—	—
Haze ... ..	1/15	—	1/15	—	—	—	—	—	1/15	1/15	—	—	—	—
Steradent ... ..	—	1/30	2/60	3/90	1/30	—	2/60	1/30	—	—	1/30	1/30	—	1/30



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42" high, 35" wide, 12" deep  
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London: 25/27 Newton St. WC2. Tel: 01-405-7931  
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(state no. req.)

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ADDRESS \_\_\_\_\_

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**CARBUNCLES** Respond quickly to regular dressing with Ilon Abscess Salve.

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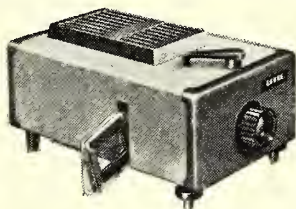
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DAIRY FARMER · MILK PRODUCER · FARMERS' GUARDIAN  
SCOTTISH FARMER · BETTER BREEDING

CATALINE CO. LTD. LINTHWAITE LABORATORIES, HUDDERSFIELD

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**WHEAT GERM—Sell them**



**FROMENT**  
STABILIZED PURE WHEAT GERM

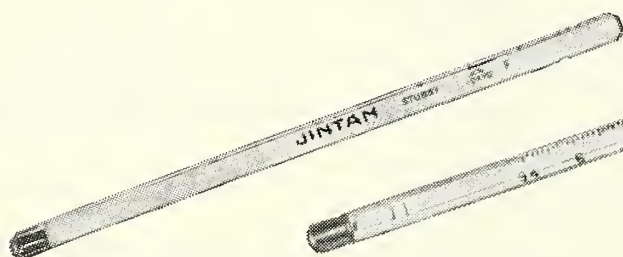
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DOUBLE SIZE (28oz) 6/ 14oz. CARTON 3/3 7oz. 1/9

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C 821

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C 820

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C 8071

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C 8070

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Applications together with the names of two referees to the Group Secretary, King George Hospital, Eastern Avenue, Newbury Park, Ilford, Essex.  
C 779

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##### Basic Grade Pharmacist

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C 778

#### ST. ALBANS CITY HOSPITAL St. Albans, Herts.

##### Locum Tenens Pharmacist

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C 813



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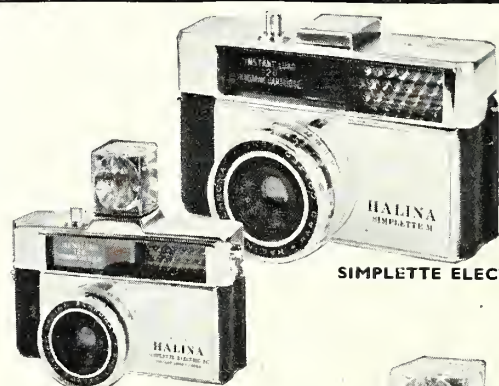
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